

## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## **Notice of Arrival of Pesticides and Devices**

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

Part 1: To Be Completed by Importer of record or Licensed Customs Broker									
1. Name and Complete	Address of	Licenced (	Customs Broker	2. Name and Complete Address of Importer of Record					
W F Whelan Co. 41425 Joy Road Canton, MI 48187 ACollin@WFWhelan.co	om			Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040					
🗷 Return Form to this	Address	***************************************		Return to this Address					
3. Name and Complete	Address of	Shipper	,	4. EPA Registration Number	5. EPA Producer Establishment No.				
Nufarm Limited				70596-7 15440-GBR-001					
Wyke Lane Wyke Bradford			en e	6. Brand Name of Product					
West Yorkshire Englan	d BD12 9 E	J		Mecoprop-P Technical					
7. Active Ingredients ar	nd Percenta	ge of Each							
8. Unit Size	9. Quantit	у	10. Total Net Weight	11. Country of Origin					
55 lb bags	1520 bags		83600 lbs	England					
12. Port of Entry	1			13. Name and Complete Address of Carrier					
3801 Detroit									
14. Entry Number		15. Antici	pated Entry Date	OOCL Lines					
037-0295095-1		February	12, 2015	-					
17. Location of Goods	for Examin	ation after	Importation	16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks 4, 5, 6 and 7 are not entitled to CBI treatment—see instructions.)					
Robinson Investments 333 Maple Street Marysville, OH 43040				And the state of t					
18. [Optional] For pesti processing of the Notic			Registration No., select	all that apply: (The following info	ormation may expedite the				
18a. A pesticide tra	insferred be	etween reg	istered establishments	operated by the same producer.	Domestic Producer Establishment				
Number:				and the second s					
	ansferred b	_		, f	ucer. Domestic Producer Establish-				
ment Number:				er of Product being Formulated,					
18c. A pesticide distributed under an Experimental Use Permit. Experimental Use Permit Number:									

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical		
Tota! Net Weight: \$3600 lbs	Entry Number: 037-0295095-1		
18d. A Pesticide distributed for research and deve	lopment purposes without an Experime	ental Use Permit.	
18e. A pesticide transferred solely for export. Do	mestic Producer Establishment Number	*•	
18f. A pesticide distributed under an emergency e	xemption. Emergency Exemption Nun	nber:	
18g. A pesticide transferred for the purposes of dis	sposal.		
18h. Other. Provide an explanation including the instance in Block 19 — Remarks.	ntended use and a description of why t	he product is bei	ing imported into the United
19. Remarks. Provide additional information here. It is the NOA.	s recommended that a copy of the label	affixed to the p	roduct be submitted with
- Application			,
Year of Manufacture - 2014			
rear of Manufacture - 2014			
	Certification		
I certify that the statements I made on this form and knowingly false or misleading statement n	d all attachments thereto are true, accu nay be punishable by fine or imprisonm	rate and comple nent or both und	te. I acknowledge that any er applicable law.
20. Printed Name of Importer of Record or Licensed Customs Broker	national Ltd. / Dana Faville	Telephone No.:	816-584-2442
21. Signature of Importer of Record or Licensed Customs Broker:	re Gaville		Date: February 4, 2015
Part II: To Be Comp	leted by U.S. Environmental Protect	ion Agency	
Action to be taken by U.S. Customs and Border Protec	tion:		
IIVARAIADEA SHIRMANT   LIATDIN TOT INCHACTION	Release shipment to consignee under b nspection.	ond. Shipment n	nust be held intact pending
Other. (Specify)			
Remarks:			
			,
•		•	
Signature and Title Man Or EPA Official:	IENFORCEMENT ACTIO	EL.	Date: 2-6-15
Part III: To Be Con	npleted by U.S. Customs and Border I	Protection	
The information shown in Part I was compared with was handled as instructed by EPA in Part II. Any devi	the entry papers for this shipment and ations should be brought to the attenti should be noted in "Remarks."	no discrepancie on of EPA before	s were noted. The shipment releasing the shipment and
Remarks:			
Signature of District Director of Customs:			Date:

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

# MECOPROP-P TECHNICAL

## FOR MANUFACTURING USE ONLY

## (+)-R-2-(2-metryl-4-chlorophenoxy) propionic acid... ACTIVE INGREDIENT;

EPAREG, NO. 70596-7

EPA EST. NO.15440-GBR-00 KEEP OUT OF REACH OF CHILDREN **DANGER / PELIGRO** 

SI usted no entiende la etiquieta, busque à atgulen para que se la explique a usted en detale, (flyou do not understand the label, find someone to explain it to you in detale).

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Only, Call (877) 325-1840

## PRECAUTIONARY STATEMENTS DANGER / PELIGRO HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Harmful if swallowed, Inhaled or absorbed through the skin. Do not get in eyes, on skin or on dothing. Avoid breathing dust. Wear googles, face shield or safety glasses. Wash thoroughly with scap and water after handling. Remove contaminated dothing and wash before re-use.

	HRSTAID	
	Hold eye open and rinse slowly and gently with water for 15 to 20	nd gently with water for 15 to 20
FINEYES	Remove contact lenses, if present, after the first 5 minutes, then	nt, after the first 5 minutes, then
	confine mising eye.	and the transfer to the first
	<ul> <li>Call a poison control center or dodor for treadment advice.</li> </ul>	Xor for treatment advice.
	. Call a poison control center or doctor immediately for treatment	octor immediately for treatment
	advice.	200
뜨	<ul> <li>Have person sp a glass of water if able to swallow.</li> </ul>	if able to swallow.
SWALLOWED	<ul> <li>Do not induce vomiting unless told to do so by a poison control</li> </ul>	Ad to do so by a poison control
	center or doctor.	
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>	an unconscious person.
FONSKIN	Take off contaminated dollning.	
8	<ul> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> </ul>	y of Water for 15 to 20 minutes.
CLOTHING	<ul> <li>Call a poison control center or doctor for treatment achies.</li> </ul>	tor for treatment achice.
	Move person to fresh air.	
	. If person is not breathing, call 911 or an ambulance, then give	I1 or an ambulance, then give
A INCHES	artificial respiration, preferably mouth-to-mouth, if possible,	uth-to-mouth, if possible,
	<ul> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>	tor for further freatment advice.
	HOT LINE NUMBER	
•		But it notices continue is seen to

Have the product container or label with you when calling a poison control center or decion or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

## NOTE TO PHYSICIAN

For eye infation, examination by an ophthalmologist may be indicated. If swalfowed, probable mutosal damage may contraindicate the use of gastric lavage. Product contains a phenoxy herbicide chemical. There is no specific arildote.

## ENVIRONMENTAL HAZARDS

Polutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to dischange. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment pant oceans, or public waters unless in accordance with the requirements of a National authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not discharge efficient containing this product into lakes, streams, portos,

## PHYSICAL OR CHEMICAL HAZARDS

This product is not compatible with strong oxidizers.

## DIRECTIONS FOR USE

It is a violation of Federal Lawto use this product in a manner inconsistent with its labeling.

Chy for formulation into a herticide for: () The following uses: nonfood terrestrial, including residential lawns, sod farms, ornamental turf, golf, courses, parks, and playgrounds, cemetery, and rights of way, 2) Uses for which USEPA has accepted the required data or clatifors of data that the formulator has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA requirements:

This product may be used to formulate products for any additional uses not listed on the MP label if the formulator, user group, or grover has compiled with U.S. EPA submission requirements regarding support of such uses. Only for formulation into end-products with directions, for use that prohibit aerial application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0.75 ib as MCPP-PA. Only for formulation into end-products with cliedon's greater than 0.75 ib as MCPP-pas. bs ae MCPP-p/A.

Do not allow this chemical or dilutions of it to come into contact with sensitive crop plants, it gess, or ornamentals.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

requires that a different, container replace a damaged container. In such case, deatify label contents. Store in a securably wherhouse, shough of building or fenced storage yard, preferably in a location that is oool and dry. Do not store in dose proximity to see the store in secal proximity to see the store, insecticities or fungicides. Containers should be opened in well verifiated fetallizers, insecticities or fungicides. Containers should be opened in well verifiated. PESTICIDE STORAGE, Store only in original container unless an emergency areas. Keep container sealed when not in use. PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardius. Improper disposal of excess pesticide, spray mixture or intraite is a violation of Federal Law and may confarmate grund water. If these wastes vannot be disposed of by use according to lead instructions, contact your State Pesticke or Environmental Control Agency, of the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrelitable container. Bo not reuse or refil this container. Completely enough tag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning, if burned, stay, cut of smoke.

## WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The dredons for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH "APPLICABLE LAW, (1) THE GOODS DELIVERED TO "YOU ARE HINISHED "AS "GETY MANUFACTURER OR SELLER AND CAN SELLER AND CAN SELLER AND CAN SELLER AND SELLER MAKE NO WARRANTES, CANARANTES, OR MANUFACTURER, OR OTHERWASE, WITH REPRESENTATIONS OF ANY KIND TO BUYER OR USER, ETHER EXPRESS OR MIPLU, OR BY USAGE OF TRADE, STATUTORY OR OTHERWASE, WITH RECHANTABILITY, FINESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT SOLD, MANUFACTURIERS OR SELLERS TO THE EXCLUSIVE REMEDY, AND MANUFACTURIERS OR SELLERS TOTAL LABBILITY SHALL, BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty declaimers, or limitations on fability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Morrisville, NC 27560 Manufactured For NUFARM AMERICASING SJM DIMSION 4020 Aerial Center Parkway



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)

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## **United States**

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## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## Notice of Arrival of Pesticides and Devices

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

Part 1: To Be Completed by Importer of record or Licensed Customs Broker								
1. Name and Complete	Address o	f Licenced (	Customs Broker	2. Name and Complete Address of Importer of Record				
Expeditors Internationa 849 Thomas Drive Bensenville, IL 60106		•		Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-1330				
Return Form to this	Address			Return to this Address				
3. Name and Complete	Address o	f Shipper		4. EPA Registration Number 5. EPA Producer Establishment No				
Nufarm UK Limited Wyke Lane			·	70596-7 15440-GBR-001				
Bradford, West Yorkshire,				6. Brand Name of Product				
United Kingdom		,	<b>E</b>	Mecoprop-P Technical				
7. Active Ingredients ar	nd Percenta	age of Each						
(+)-R-2-(2-methyl-4-ch	llorophenox	y) propioni	c acid 90.5%					
8. Unit Size	8. Unit Size 9. Quantity 10. Total Net Weight				11. Country of Origin			
25 Kg Bags 720 18,000 Kg			18,000 Kg	United Kingdom				
12. Port of Entry	<u> </u>			13. Name and Complete Address of Carrier				
Chicago Illinois				OOCL (USA) Inc. Headquarters				
14. Entry Number		15. Anticij	oated Entry Date	2633 Camino Ramon, Suite 400				
231-0231478-3		May 6, 20	15	(P.O. Box 5100) San Ramon, CA 94583  Phone: (1) 925 358 COCT (662)	c/ #			
17. Location of Goods	for Examina	ation after I	mportation	16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks				
Nufarm Americas, Inc. Norbert Dentressangle 21399 Torrence Ave. Sauk Village, IL 60411	Warehouse			4, 5, 6 and 7 are not entitled to	CBI treatmentsee instructions.)			
18. [Optional] For pesticides without an EPA Registration No., select all that apply: (The following information may expedite the processing of the Notice of Arrival.)					mation may expedite the			
☐ 18a. A pesticide trar	nsferred be	tween regi:	stered establishments o	perated by the same producer. D	omestic Producer Establishment			
Number:								
18b. A pesticide trai	nsferred be	tween regi	stered establishments r	not operated by the same produc	er. Domestic Producer Establish-			
ment Number:				r of Product being Formulated, if				
18c. A pesticide dist	tributed un	der an Expe	erimental Use Permit. E	xperimental Use Permit Number:				

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical			
Total Net Weight: 18,000 Kg	Entry Number: 231-0231478-3		*	
18d. A Pesticide distributed for research and devel	opment purposes without an Experime	ntal Use Permit	Transition and transition and the second	
18e. A pesticide transferred solely for export. Dor				
<ul> <li>18f. A pesticide distributed under an emergency ex</li> </ul>				
18g. A pesticide transferred for the purposes of dis				
18h. Other. Provide an explanation including the in States in Block 19 – Remarks.	ntended use and a description of why tl	he product is bei	ng impo	rted into the United
19. Remarks, Provide additional information here. It is the NOA.	recommended that a copy of the label	affixed to the pr	oduct be	submitted with
Container numbers: OOLU8512119				
	Certification	-		
I certify that the statements I made on this form and knowingly false or misleading statement n	d all attachments thereto are true, accu nay be punishable by fine or imprisonm	rate and complet nent or both unde	e. I ackn er applic	owledge that any able law.
20. Printed Name of Importer of Record or Licensed Customs Broker Vic Sweetwood		Telephone No.:	708-377	7-1365
21. Signature of Importer of Record or Licensed Customs Broker:	Suctions		Date:	April 22, 2015
Part II: To Be Comp	oleted by U.S. Environmental Protecti	on Agency		
Action to be taken by U.S. Customs and Border Protec	tion:		**	
Release Shipment Detain for inspection	Release shipment to consignee under b nspection.	ond. Shipment m	nust be h	eld intact pending
Other. (Specify)	,			
Remarks:		***		
Signature and Title of EPA Official:	emit Mi		Date:	123/15
:	npleted by U.S. Customs and Border I		i	
The information shown in Part I was compared with was handled as instructed by EPA in Part II. Any devi	the entry papers for this shipment and ations should be brought to the attention should be noted in "Remarks."	no discrepancies on of EPA before	were no releasin	oted. The shipment g the shipment and
Remarks:				
	***************************************	: · · · · · · · · · · · · · · · · · · ·		
Signature of District Director of Customs:			Date:	

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

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# MECOPROP-P TECHNICAL

## FOR MANUFACTURING USE ONLY

## 

EPAREG NO 70598-7

EPA EST. NO.15440-GBR-001

## DANGER / PELIGRO

Si usted no entende la etiqueta, busque à algulen para que se la explique a usted en detaile, (if you do not understand the label, find someone to explain it to you in detail.)

SEE BELOW FOR FRIST AD AND ADDITIONAL PRECAUTIONARY
STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-4300 For Medical Emergencies Only, Call (877) 325-1840

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER / PELIGRO

Corresive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on dothing, Avoid breathing dust. Wear googles, tice shield or safety glasses. Wheth throughly with scap and water after handing. Remove contaminated dothing and wash before re-use.

		FINALED		CLOTHING	윷	FONSKIN			SWALLOWED	Ħ					FINEYES			
HOT LINE NUMBER	<ul> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>	artificial respiration, preferably mouth-to-mouth, if possible.	<ul> <li>Move person to restrain the Stiff or an approximate their dive</li> </ul>	<ul> <li>Call a poison control center or coctor for treatment advice.</li> </ul>	<ul> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> </ul>	<ul> <li>Take off contaminated dothing.</li> </ul>	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>	center or doctor.	<ul> <li>Do not induce varrising unless lodd to do so by a poison control</li> </ul>	<ul> <li>Have person sip a glass of water if able to swallow.</li> </ul>	advice.	<ul> <li>Call a poison control center or doctor immediately for treatment</li> </ul>	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>	continue inising eye,	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then</li> </ul>	minutes.	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20</li> </ul>	FIRST AID

Have the product container or tabel with you when calling a poison control center or doctor or going for breatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

## NOTE TO PHYSICIAN

For eye interior, examination by an ophthalmologist may be indicated. If swallowed, probable mulcosal damage may contraindicate the use of gashic lavage. Product contains a phenoxy herbicide chamical. There is no specific anticide.

## ENVIRONMENTAL HAZARDS

Do not discharge effuent containing this product into lakes, streams, points, estuaries, oceans, or public waters unless in accordance with the requirements of a National Polutiant, Discharge Effinitation System (NPDES) permit and the permitting atthibitive has been notified in writing pulper to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewege treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## PHYSICAL OR CHEMICAL HAZARDS

This product is not compatible with strong oxidizers.

## DIRECTIONS FOR USE

ítis a violation of Federal Lawto use this product in a manner inconsistent with its tabelling

Only for termulation into a herbicide for, 1) The following uses: nombool terrestrial, including residential lewns, sool farms, crammental furf, golf courses, paids and ploygrounds, cernetary, and rights of way, 2) Uses for which USEPA has accepted the required data or citations of data that the formulator has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA requirements.

This product may be used to formulate products for any additional uses not issed on the MP label if the formulator, user group, or groups has compiled with U.S. EPA submission requirements regarding support distributes.

Only for famulation into end-products with disections for use that prohibit aerial application. Only for famulation into end-products with decisions fig. use that prohibit broadcast applications greater than 0.75 to as MCPP-p/A. Only for formulation into end-products with directions for use that prohibit spot treatment applications greater than 1.2 to as MCPP-p/A.

Do not allowthis chemical or divitions of it to come into contact with sensitive cop plants; trees, or omamentals.

## STORAGE AND DISPOSAL

Do not contaminate water, fixed or feed by storage or disposal.

PESTICIDE STORACE: Some only in original container unless an emergency requires that a different container replace a damaged container; in such case, deathy label contents, then such case, deathy label contents, Surve in a secured warehouse, strange building in terresed strange yand, preferably in a location that is good and dry. Do not stree in dose proximity to seech, ferticare, insecticides or full gliddes. Containers should be opered in well verticated areas. Keep container seaded when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardus. Improper disposal of excess pesticide, spray misulue or intracte is a viciation of Federal Law and may contaminate ground water. Whose wastes carried the segioned of by use according to label instructions, contact your State Pesticide or Environmental Commol Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guitance.

CONTAINER DISPOSAL: Namestable container. Do not reuse or refit this container. Completely empty beig into the formulation equipment. Then offer for recycling if available or depose of the empty beig in a sentimy landfile or by incineration, or, if allowed by state and local authorities, by burning, if burned, stay cut of smoke.

## WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The directors for use of this product mist be followed cavelialy. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW (1) THE GOODS DELIVERED TO YOU ARE FURNISHED. "AS ISTEM MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRÄNTIES, GLAKANTIES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, ETHER EXPRESS OR IMPULED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH RECORD TO THE PRODUCT SOLD, NOLLDING, BUT NOT UMPTED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR TRADEUSAGE, TOTHE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURERS OR SELLER'S TOTAL LABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of discitions for use, the warrarty decisioners, or limitations on liability, do not use the product, and return it uniopensed to the Seller, and the purchase price will be refunded.

(RV030614) 12006000

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Monufactured For NUFARM AMERICAS INC SJM Division 4020 Aerial Center Partway Morrisville, NC 27560



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

Mecoprop-p Technical

EPA Reg. No.:

70596-7

**Product Type:** 

For Manufacturing Use Only - Herbicides

Company Name:

Nufarm Americas Inc. SJM Division

4020 Aerial Center Parkway Morrisville, NC 27560

1-800-345-3330

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

## 2. HAZARDS IDENTIFICATION

### PHYSICAL HAZARDS:

None known.

### **HEALTH HAZARDS:**

Serious eye damage/eye irritation

Category 1

Acute toxicity, oral

Category 4

## **ENVIRONMENTAL HAZARDS:**

Hazardous to aquatic environment, acute

Category 3

## SIGNAL WORD:

DANGER

## **HAZARD STATEMENTS:**

Causes serious eye damage. Harmful if swallowed. Harmful to aquatic life. May form combustible dust concentrations in air during processing.





### PRECAUTIONARY STATEMENTS

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves. Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Dispose of contents in accordance with local, state, and federal regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTSCAS NO.% BY WEIGHTMecoprop-p Acid16484-77-890.0 - 98.04-chloro-2-methyl phenol (PCOC)1570-84-5< 1.0</td>Proprietary process impuritiesTrade SecretTrade Secret

Synonyms:

MCPP-p; (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get immediate medical attention.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If symptoms develop, get medical advice.

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If symptoms develop, get medical advice.

**Most important symptoms/effects:** Causes severe eye irritation and possible damage. Harmful if swallowed. . If ingested or absorbed through the skin, may cause diarrhea, headache, nausea, and vomiting. Prolonged exposure may cause liver and kidney damage.

Indication of immediate medical attention and special treatment needed: immediate medical attention is required for eye contact. For ingestion there is no specific antidote available. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media: Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. Hazardous Decomposition Materials (Under Fire Conditions): May produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Cleanup and Disposal:** Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Other Information: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

## HANDLING:

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Do not get in eyes, on skin or on clothing. Avoid breathing dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## STORAGE:

Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, clearly label contents. Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in close proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## **Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

## Personal Protective Equipment:

**Eye/Face Protection:** To avoid contact with eyes, wear chemical goggles. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. Washing facilities should be readily accessible to the work area.

Respiratory Protection: Not normally required. If dust exceeds acceptable levels, wear NIOSH approved airpurifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

## **Exposure Guidelines:**

	os	НА	AC		
Component	TWA	STEL	TWA	STEL	Unit
Mecoprop-p Acid	NE	NE	NE	NE	
4-Chlor-2-methylphenol (PCOC)	NE	NE	NE	NE	
Proprietary process impurities	N/A	N/A	N/A	N/A	

NE = Not Established N/A= Not Applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Beige solid

Odor:

Weak phenolic odor No data available

Odor threshold:

2-3

Melting point/freezing point:

178 - 198° F (81.5 - 92° C)

Initial boiling point and boiling range

Not applicable

Flash point: Evaporation rate: Not applicable Not applicable

February 14, 2015

Page 3 of 6

## Mecoprop-p Technical

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapor pressure:

Vapor density:

Relative density: Solubility(jes):

Partition coefficient: n-octanol/water:

Autoignition temperature: Decomposition temperature:

Viscosity:

No data available

No data available

1.4 x 10<sup>-5</sup> torr @ 20 °C No data available

1.281 g/mL (tapped) 0.6 g/mL, dry uncompacted

Soluble (620 - 859 mg/L)

No data available

No data available

92° C

No data available

Note: Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

## 10. STABILITY AND REACTIVITY

Reactivity: This product is not normally reactive.

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Keep away from heat, sparks and open flame. Minimize dust generate and accumulation.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye and Skin contact.

Symptoms of Exposure: May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

Delayed, immediate and chronic effects of exposure: May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

Toxicological Data:

Data from laboratory studies conducted on MCPP-p Acid Technical:

Oral: Rat LD<sub>50</sub>: 775 mg/kg Dermal: Rat LD<sub>50</sub>: >2,000 mg/kg Inhalation: Rat 4-hr LC<sub>50</sub>: >5.6 mg/l

Eye Irritation: Rabbit: Severely irritating/corrosive

Skin Irritation: Rabbit: Slightly irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged

Carcinogenicity / Chronic Health Effects: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a Class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, more current Mecoprop-p lifetime feeding study in mice, did not show carcinogenic potential.

Reproductive Toxicity: No impairment of reproductive function attributable to Mecoprop-p have been noted in laboratory animal studies.

Developmental Toxicity: Studies in laboratory animals with Mecoprop-p have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

Germ Cell Mutagenicity: MCPP-p is not mutagenic.

This product contains substances that are considered to be probable or suspected human carcinogens as follows:

	Regula	tory Agency L	isting As Card	inogen
Component	ACGIH	IARC	NTP	OSHA
Chlorophenoxy Herbicides	No	2B	No	No
4-Chlor-2-methylphenol (PCOC)	No	No	No	No

## Mecoprop-p Technical

Proprietary process related impurities	No	No	No	No
IADC Crown ODs Describly appainages in to have				

IARC Group 2B: Possibly carcinogenic to humans.

### 12. ECOLOGICAL INFORMATION

### **Environmental Hazards:**

Mecoprop-p is slightly to practically non-toxic to fish and aquatic invertebrates and moderately toxic to birds.

## **Ecotoxicity:**

Data on Mecoprop-p Acid:

96-hour LC<sub>60</sub> Bluegill: >93 mg/l Bobwhite Quail Oral LD<sub>50</sub>: 96-hour LC<sub>50</sub> Rainbow Trout: >93 mg/l Mallard Duck Oral LD<sub>50</sub>: 48-hour LC<sub>50</sub> Daphnia: >91 mg/l

72-hour LC<sub>50</sub> Algae: 16.2 mg/L 48-hour Honey Bee Contact LD<sub>50</sub>: >200 µg/bee

500 ma/ka 486 mg/kg

## **Environmental Fate:**

Mecoprop-p acid is relatively immobile in most soils and has a half-life of several days in surface soils. The primary routes of dissipation appear to be photodegradation in water, microbial-mediated degradation, and leaching. Aqueous photolysis half-lives range from 4 to 7 days. In soil, mecoprop-p is microbially degraded with a typical half-life of approximately 11 to 15 days. Mecoprop-p acid is readily biodegradable in screening studies (81% in 10 days).

### 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

## DOT:

Non Regulated

## IMDG:

Non Regulated

## IATA:

Non Regulated

### 15. REGULATORY INFORMATION

### **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER, Corrosive, Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## U.S. FEDERAL REGULATIONS

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

## Mecoprop-p Technical

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

**Immediate** 

Section 313 Toxic Chemical(s):

Mecoprop (93-65-2), 90.5% equivalent by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None given

RCRA Waste Code:

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed.

## 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 3 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

Date of Issue:

February 14, 2015

Supersedes:

October 1, 2014



## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## **Notice of Arrival of Pesticides and Devices**

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

V4V-1	Part '	1: To Be Co	ompleted by Importer	of record or Licensed Customs	Broker
1. Name and Complete				2. Name and Complete Address	
Expeditors Internationa 849 Thomas Drive Bensenville, IL 60106	l Attn: Bry T:630-610			Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-13	330
X Return Form to this	Address			Return to this Address	
3. Name and Complete	Address of	Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.
Nufarm UK Limited			,	70596-7	15440-GBR-001
Wyke Lane Bradford, West Yorkshire, United Kingdom			<b>•••</b>	6. Brand Name of Product  Mecoprop-P Technical	
7. Active Ingredients a	nd Percenta	nge of Each			
(+)-R-2-(2-methyl-4-ch					
8. Unit Size	9. Quantit	у	10. Total Net Weight	11. Country of Origin	
25 Kg Bags	720		18,000 Kg	United Kingdom	
12. Port of Entry				13. Name and Complete Addre	ss of Carrier
Chicago Illinois				OOCL (USA) Inc. Headquarters	
14. Entry Number		15. Antici	pated Entry Date	2633 Camino Ramon, Suite 400	
231-0229729-3		May 6, 20	)15	(P.O. Box 5100) San Ramon, CA 94583	5)
17. Location of Goods	for Examina	ation after	Importation	16. I assert that information cor	nstituting Confidential Business ove blocks numbered: (Note: Blocks
Nufarm Americas, Inc. Norbert Dentressangle 21399 Torrence Ave. Sauk Village, IL 60411	Warehouse P: 708-7	153-0396	-	4, 5, 6 and 7 are not entitled to	CBI treatment—see instructions.)
18. [Optional] For pesti processing of the Notic	cides witho e of Arrival	ut an EPA   )	Registration No., select a	all that apply: (The following info	rmation may expedite the
☐ 18a. A pesticide tra Number:	nsferred be	tween regi	stered establishments c	operated by the same producer. E	Domestic Producer Establishment
	nsferred he	itween rec	istered establishments	not operated by the same produc	cer. Domestic Producer Establish-
ment Number:	aisterreu De			r of Product being Formulated, if	
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EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical		
Total Net Weight: 18,000 Kg	Entry Number: 231-0229729-3	W	1-0
☐ 18d. A Pesticide distributed for research and deve	lopment purposes without an Experime	ntal Use Permit.	
18e. A pesticide transferred solely for export. Do	<del> </del>		
🔲 18f. A pesticide distributed under an emergency e	exemption. Emergency Exemption Num	nber:	
18g. A pesticide transferred for the purposes of di	sposal.	***	
18h. Other. Provide an explanation including the i States in Block 19 Remarks.	ntended use and a description of why the	he product is bei	ng imported into the United
19. Remarks. Provide additional information here. It is the NOA.	s recommended that a copy of the label	affixed to the pr	oduct be submitted with
Container numbers: OOLU98302489			
	•		
	Certification		
I certify that the statements I made on this form an knowingly false or misleading statement i	d all attachments thereto are true, accu	rate and complet ent or both und	te. I acknowledge that any er applicable law.
20. Printed Name of Importer of Record or Licensed Customs Broker Vic Sweetwood		Telephone No.:	708-377-1365
21. Signature of Importer of Record or Licensed Customs Broker:	ection		Date: April 22, 2015
Part II: To Be Com	pleted by U.S. Environmental Protecti	on Agency	
Action to be taken by U.S. Customs and Border Protection	ction:		"
	Release shipment to consignee under b inspection.	ond. Shipment n	nust be held intact pending
☐Other. (Specify)			
Remarks:			
			·
Signature and Title of EPA Official:	umst Offin		Date: 1/23/15
L 1	mpleted by U.S. Customs and Border I		<u> </u>
The information shown in Part I was compared with was handled as instructed by EPA in Part II. Any devi	ithe entry papers for this shipment and lations should be brought to the attenti- should be noted in "Remarks."	no discrepancies on of EPA before	s were noted. The shipment releasing the shipment and
Remarks:			
Ci		1	
Signature of District Director of Customs:			Date:

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.



# MECOPROP-P TECHNICAL

## 

EPAREG. NO. 70596-7

EPA EST. NO.15440-CBR-001

## KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Si usted no entiende la eliqueta, fuustue a alguien para que se la explique a usted en detalle, (flyou do not understand the fabel, find someone to explain it to you in detail.)

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONAL PREC

For Chemical Spill, Leak, Fire, or Expostre, Call CHEMITREC (800) 424-9300 For Medical Emergencies Carly, Call (877) 325-1840

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMMIS AND DOWESTIC ANIMALS DANGER / PELIGRO

Corrosive. Causes irreversible eye damage. Harmful if swallowed, inheled or absorbed firrough the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with scap and water after handling. Remove contamhabed dothing and wash before re-use.

	FIRST AID	
	<ul> <li>Hold eye open and ninse slowly and gently with water for 15 to 20 minutes.</li> </ul>	
FINEYES	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then continue initial eve.</li> </ul>	
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>	
	<ul> <li>Call a poison control center or doctor immediately for treatment</li> </ul>	
	advice.	
<u>"</u>	<ul> <li>Have person sip a giass of water if able to swallow.</li> </ul>	
SWALLOWED	Do not include variting unless told to do so by a poison control	
	center or dodor.	
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>	
ND/S NO.	Take off contaminated dothing.	
f	<ul> <li>Rhise skin immediately with plenty of water for 15 to 20 minutes.</li> </ul>	•
CLOTHING	<ul> <li>Call a poison control center or doctor for treatment activice.</li> </ul>	
	Move person to fresh air.	
IF INHALED	If person is not breathing, call 911 or an ambulance, then give     If the contemporary configuration of the contemporary is not being the contemporary of the co	
	Chilla poison control center or doctor for further treatment advice.	
	HOTENEWBER	
	the second production of the second s	

Have the product container or label with you when caling a polson control center or doctor or going for treatment You may also contact 1-877-325-1840 for energency medical treatment information.

## NOTE TO PHYSICIAN

For eye inflation, examination by an ophthalmologist may be indicated. If swallowed, probable mucosal damage may contraind cate the use of gastric lavage. Product contains a phenoxy harbicide chemical. There is no specific anticlate.

## FOR MANUFACTURING USE ONLY

## **ENVIRONMENTAL HAZARDS**

Do not descharge effluent containing this product into lakes, streams, portids, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Entrutation System (NPDES) permit and the permitting authority has been notified it writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS This product is not compatible with strong oxidizers.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling

Only for formulation into a herbidde for: 1) The following uses: nonfood terrestrial, including residential lawns, sod farms, ornamental turf, golf courses, parks and playgrounds, cerretery, and rights of way, 2) Uses for which USEPA has acceptable the required class or diations of data that the formulator has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA registration; and 3) Uses for experimental purposes that are in compliance with USEPA

This product may be used to formulate products for any additional uses not listed on this MP label if the formulator, user group, or grower has compiled with U.S. EPA submission requirements regarding support of such uses.

Only for formulation into end-products with directions for use that prohibit serial application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0.75 ib as MCPP-pA. Only for-formulation into end-products with directions for use that prohibit spot treatment applications greater than 1.2 products with directions for use that prohibit spot treatment applications greater than 1.2 ib as a MCPP-pA.

Do not allow this chemical or cliutions offit to come into contact with sensitive crop plants, trees, or cmamentalis.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or dispusal.

PESTICIDE STORAGE: Store only in original container unless an enrargency requires that a different container replace a damaged container. In such case, dearly prefactly contains. Store in a secured variethouse, storage building or fenced storage yard, prefactly in a location that is cool and dry. Do tot store in dose provintry to seeds, fertificers, insedicides or fungicides, Containers should be opened in well ventilated areas. Keep container seaded when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess posticide, spray mixture or tinsate is a viciation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to babel instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidence.

CONTAINER DSPOSAL. Nomeflable container. Do not reuse or refill this container. Completely emply hag into the formulation equipment. Then offer for texpoling if available or despose of the emply bag in a samilary landfill or by Inchientation, or, if allowed by state and local authorities, by burning, if burned, stay cut of smoke.

## WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The dredions for use of this product must be tallowed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FUNINSHED "AS ISPDY MANUFACTURER OR SELLER AND (2) MANUFACTURER, OR SELLER AND (2) MANUFACTURER, OR SELLER AND (2) MANUFACTURER, OR ORDERS, OR REPRESSARTATIONS OF ANY KND TO BUYER OR USER, EITHER EXPRESS OR REPGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MECHANTABUTY, EITHERS FOR A PARTICULAR PURPOSE, USE, OR EIGBILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR EIGHBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE; TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYERS OF USER'S EXQLUSIVE REARDY, AND MANUFACTURERS OR SELLERS TOTAL LABBILITY SHALL BE FOR DAMAGES NOT EXCREDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of drections for use, the warranty decisioners, or imitations on lability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV030614)

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Manufactured For NUFARM AMERICAS INC SJM Division 4020 Aerlal Center Parkway Morrisville, NC 27560



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

Mecoprop-p Technical

EPA Reg. No.:

70596-7

**Product Type:** 

For Manufacturing Use Only - Herbicides

Company Name:

Nufarm Americas Inc. SJM Division

4020 Aerial Center Parkway Morrisville, NC 27560 1-800-345-3330

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

## 2. HAZARDS IDENTIFICATION

## PHYSICAL HAZARDS:

None known.

## **HEALTH HAZARDS:**

Serious eye damage/eye irritation

Category 1

Acute toxicity, oral

Category 4

## **ENVIRONMENTAL HAZARDS:**

Hazardous to aquatic environment, acute

Category 3

## **SIGNAL WORD:**

DANGER

## **HAZARD STATEMENTS:**

Causes serious eye damage. Harmful if swallowed. Harmful to aquatic life. May form combustible dust concentrations in air during processing.





## PRECAUTIONARY STATEMENTS

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves. Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Dispose of contents in accordance with local, state, and federal regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTSCAS NO.% BY WEIGHTMecoprop-p Acid16484-77-890.0 - 98.04-chloro-2-methyl phenol (PCOC)1570-84-5< 1.0</td>Proprietary process impuritiesTrade SecretTrade Secret

Synonyms:

MCPP-p; (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get immediate medical attention.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If symptoms develop, get medical advice.

**If Swallowed:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If symptoms develop, get medical advice.

**Most important symptoms/effects:** Causes severe eye irritation and possible damage. Harmful if swallowed. If ingested or absorbed through the skin, may cause diarrhea, headache, nausea, and vomiting. Prolonged exposure may cause liver and kidney damage.

**Indication of immediate medical attention and special treatment needed:** Immediate medical attention is required for eye contact. For ingestion there is no specific antidote available. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Extinguishing Media: Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

**Unusual Fire and Explosion Hazards:** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. **Hazardous Decomposition Materials (Under Fire Conditions):** May produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Methods for Containment:** Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Cleanup and Disposal:** Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Other Information: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

### 7. HANDLING AND STORAGE

### HANDLING:

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Do not get in eyes, on skin or on clothing. Avoid breathing dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### STORAGE:

Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, clearly label contents. Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in close proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## **Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

## Personal Protective Equipment:

Eye/Face Protection: To avoid contact with eyes, wear chemical goggles. An emergency eyewash or water supply should be readily accessible to the work area.

Skin Protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemicalresistant gloves. Washing facilities should be readily accessible to the work area.

Respiratory Protection: Not normally required. If dust exceeds acceptable levels, wear NIOSH approved airpurifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store. use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

### **Exposure Guidelines:**

	OS	HA	AC	GIH	
Component	TWA	STEL	TWA	STEL	Unit
Mecoprop-p Acid	NE	NE	NE	NE	·
4-Chlor-2-methylphenol (PCOC)	NE	. NE	NE	NE	
Proprietary process impurities	N/A	N/A	N/A	N/A	

NE = Not Established N/A= Not Applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Beige solid

Odor:

Weak phenolic odor No data available

Odor threshold:

2-3

Melting point/freezing point:

178 - 198° F (81.5 - 92° C)

Initial boiling point and boiling range

Not applicable Not applicable

Flash point: Evaporation rate:

Not applicable

## **Mecoprop-p Technical**

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapor pressure: Vapor density:

Relative density:

Solubility(ies):
Partition coefficient: n-octanol/water:

Autoignition temperature: Decomposition temperature:

Viscosity:

No data available

No data available

1.4 x 10<sup>-5</sup> torr @ 20 °C No data available

1.281 g/mL (tapped) 0.6 g/mL, dry uncompacted

Soluble (620 - 859 mg/L)

No data available

No data available

92° C

No data available

**Note:** Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a quaranteed analysis or as a specification.

## 10. STABILITY AND REACTIVITY

Reactivity: This product is not normally reactive.

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Keep away from heat, sparks and open flame. Minimize dust generate and accumulation.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye and Skin contact.

**Symptoms of Exposure:** May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

**Delayed, immediate and chronic effects of exposure:** May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

## Toxicological Data:

Data from laboratory studies conducted on MCPP-p Acid Technical:

Oral: Rat LD<sub>50</sub>: 775 mg/kg Dermal: Rat LD<sub>50</sub>: >2,000 mg/kg Inhalation: Rat 4-hr LC<sub>50</sub>: >5.6 mg/l

Eye Irritation: Rabbit: Severely irritating/corrosive

Skin Irritation: Rabbit: Slightly irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

Carcinogenicity / Chronic Health Effects: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a Class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, more current Mecoprop-p lifetime feeding study in mice, did not show carcinogenic potential.

Reproductive Toxicity: No impairment of reproductive function attributable to Mecoprop-p have been noted in laboratory animal studies.

**Developmental Toxicity:** Studies in laboratory animals with Mecoprop-p have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

Germ Cell Mutagenicity: MCPP-p is not mutagenic.

This product contains substances that are considered to be probable or suspected human carcinogens as follows:

	Regula	tory Agency L	isting As Card	inogen
Component	ACGIH	IARC	NTP	OSHA
Chlorophenoxy Herbicides	No	2B	No	No
4-Chlor-2-methylphenol (PCOC)	No	No	No	No

## Mecoprop-p Technical

Proprietary process related impurities	No	No	No	No
IAPC Group 2B: Possibly carcinogenic to hum	ממפ			

## 12. ECOLOGICAL INFORMATION

### **Environmental Hazards:**

Mecoprop-p is slightly to practically non-toxic to fish and aquatic invertebrates and moderately toxic to birds.

## **Ecotoxicity:**

Data on Mecoprop-p Acid:

96-hour LC<sub>50</sub> Bluegill: 96-hour LC<sub>50</sub> Rainbow Trout: >93 mg/l >93 mg/l Bobwhite Quail Oral LD<sub>50</sub>: Mallard Duck Oral LD<sub>50</sub>:

500 mg/kg

48-hour LC<sub>50</sub> Daphnia:

>91 mg/l

48-hour Honey Bee Contact LD<sub>50</sub>: >200 μg/bee

486 ma/ka

72-hour LC<sub>50</sub> Algae:

16.2 mg/L

## **Environmental Fate:**

Mecoprop-p acid is relatively immobile in most soils and has a half-life of several days in surface soils. The primary routes of dissipation appear to be photodegradation in water, microbial-mediated degradation, and leaching. Aqueous photolysis half-lives range from 4 to 7 days. In soil, mecoprop-p is microbially degraded with a typical half-life of approximately 11 to 15 days. Mecoprop-p acid is readily biodegradable in screening studies (81% in 10 days).

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

## DOT:

Non Regulated

## IMDG:

Non Regulated

## IATA:

Non Regulated

## 15. REGULATORY INFORMATION

## **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER, Corrosive, Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## U.S. FEDERAL REGULATIONS

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

Mecoprop-p Technical

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

Immediate

Section 313 Toxic Chemical(s):

Mecoprop (93-65-2), 90.5% equivalent by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None given

**RCRA Waste Code:** 

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed.

## 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 3 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

Date of Issue:

February 14, 2015

Supersedes:

October 1, 2014



## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## Notice of Arrival of Pesticides and Devices

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

	Part 1	: To Be Co	mpleted by importer	of record or Licensed Customs	Broker
1. Name and Complete	Address of	Licenced (	Lustoms Broker	2. Name and Complete Address	s of Importer of Record
Expeditors International 849 Thomas Drive Bensenville, IL 60106	Attn: Bryi T:630-616			Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-1	330
Return Form to this	Address			Return to this Address	
3. Name and Complete	Address of	Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.
Nufarm UK Limited				70596-7	15440-GBR-001
Wyke Lane Bradford, West Yorkshire, United Kingdom			n	6. Brand Name of Product  Mecoprop-P Technical	
7. Active Ingredients ar	nd Percenta	ige of Each	)		
(+)-R-2-(2-methyl-4-ch	lorophenox	y) propion	ic acid 90.5%		
8. Unit Size	9. Quantit	У	10. Total Net Weight	11. Country of Origin	
25 Kg Bags	720		18,000 Kg	United Kingdom	
12. Port of Entry				13. Name and Complete Addre	ess of Carrier
Chicago Illinois		`		OOCL (USA) Inc. Headquarters	
14. Entry Number		15. Antici	pated Entry Date	2633 Camino Ramon, Suite 40	0
231-0228749-2		May 4, 20	015	(P.O. Box 5100) San Ramon, CA 94583	95X
17. Location of Goods	for Examin	ation after	Importation	Information is shown in the ab	onstituting Confidential Business pove blocks numbered: (Note: Blocks
Nufarm Americas, Inc. Norbert Dentressangle 21399 Torrence Ave. Sauk Village, IL 60411	Warehouse	753-0396		4, 5, 6 and 7 are not entitled to	o CBI treatment—see instructions.)
18. [Optional] For pesti processing of the Notic		,	Registration No., select	all that apply: (The following info	ormation may expedite the
☐ 18a. A pesticide tra Number:	nsferred be	etween reg	istered establishments	operated by the same producer.	Domestic Producer Establishment
	insferred be	etween rec	jistered establishments	not operated by the same prodi	ucer. Domestic Producer Establish-
ment Number:		~		er of Product being Formulated,	
18c. A pesticide dis	stributed ur	nder an Exp	perimental Use Permit.	Experimental Use Permit Numbe	er:

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EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical		
Total Net Weight: 18,000 Kg	Entry Number: 231-0228749-2		
18d. A Pesticide distributed for research and devel	opment ourposes without an Experime	ntal Use Permit.	
18e. A pesticide transferred solely for export. Dor			*
18f. A pesticide distributed under an emergency e			
18g. A pesticide transferred for the purposes of di-			
18h. Other. Provide an explanation including the i States in Block 19 — Remarks.	ntended use and a description of why th	ne product is beir	ng imported into the United
19. Remarks. Provide additional information here. It is the NOA.	s recommended that a copy of the label	affixed to the pro	oduct be submitted with
		110000	
Container numbers: OOLU9594810			
	Certification	*	
I certify that the statements I made on this form an knowingly false or misleading statement in			
20. Printed Name of Importer of Record or Licensed Customs Broker Vic Sweetwood		Telephone No.:	708-377-1365
21. Signature of Importer of Record or Licensed Customs Broker:	sweetwoo	4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Date: April 21, 2015
Part II: To Be Com	pleted by U.S. Environmental Protecti	on Agency	
Action to be taken by U.S. Customs and Border Protec	ction:		A Live de la constante de la c
	Release shipment to consignee under b inspection.	ond. Shipment m	nust be held intact pending
Other. (Specify)		<b>.</b>	
Remarks:			
	1.		
Signature and Title of EPA Official:	went Offin		Date: 4/23/15
	mpleted by U.S. Customs and Border I		
The information shown in Part I was compared with was handled as instructed by EPA in Part II. Any dev	n the entry papers routh is snipment and iations should be brought to the attenti should be noted in "Remarks."	no discrepancies on of EPA before	s were noted. The shipment releasing the shipment and
Remarks:			
		• •	
Signature of District Director of Customs:			Date:

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes, Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.



# MECOPROP-P TECHNICAL

# FOR MANUFACTURING USE ONLY

## (+)R-2-(2-methyl-4-chlorophenoxy) propionic acid.

ACTIVE RORED BOTT

EPAREG NO 70596-7

EPA EST. NO.15440-GBR-001

90,5% 100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Si ustedno eniende la eliqueta, busque a alguen para que se la explique a usted en detalle, (ffyou do not understand the label, find someone to explain it to you in detal.)

SEE BELOW FOR FIRST ALD AND ADDITIONAL PRECAUTIONARY STATEMENTS For Chemical Spill, Lenk, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Caty, Call (877) 325-1840

## PRECAUTIONARY STATEMENTS DANGER / PELIGRO HAZARDS TO HUMANS AND DOMESTIC ANIMALS

through the adn. Do not get in eyes, on skin or on dothing. Avoid breathing clief. Wear goggles, tace shield or safety glasses. Weet throughly with snap and water after handing. Causes irreversible eye damage. Harriful if swallowed, inhaled or absorbed Remove contaminated dollring and wash before re-use.

	TRO AL
	<ul> <li>Hold eye open and mass slowly and genly with water for 15 to 20 maintes.</li> </ul>
FINEYES	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then continue in sing eye.</li> </ul>
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
	<ul> <li>Call a poison control center or doctor inmediately for treatment advice.</li> </ul>
Ŀ.	<ul> <li>Have person sip a gass of water if able to swallow.</li> </ul>
SWALLOWED	<ul> <li>Do not inclose vorniting unless told to do so try a poison control center or dodor.</li> </ul>
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
IF ON SKUN	<ul> <li>Take off contaminated dofting.</li> </ul>
క	<ul> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> </ul>
CLOTHING	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
	Move person to fresh sir.
FINHALED	If person is not breathing, sal 811 or an ambulance, then give
-	Call a poison control center or dodor for further treatment advice.
	HOTLINENLINER
Have the product	Have the product container or label with you when calling a poison control center or
doctor or going f	doctor or going for treatment. You may also contact 1-877-325-1840 for emergency
medeal reament information	micmaticn.

ff swallowed, age, Product For eye inhation, examination by an ophithathologist may be indicated. If an probable muccal damage may confraindrate the use of gastic lavage, consists a premoxy herbidde chemical. There is no specific amoldon. NOTE TO PHYSICIAN

## ENVIRONMENTAL HAZARDS

oceans, or public waters unless in accordance with the requirements of a National Polutant Discharge Elimination System (NPDES) perink and the permitting authority has been notified in writing prior to discharge. Do not discharge effusion containing this product to sewar systems without previously motifying the local sewage treatment plant Do not decharge efficent containing this product into lakes, streams, ponds, estuaries authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

This product is not compatible with strong oxidizers.

## **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its

Only for formulation into a herbicide for 1) The following uses: nonfood terrestrial, including residential lawns, and ferms, ornamental tart, pall courses, parks and playgrounds, cernetery, and rights of way, 2) Uses for which USEPA has accepted the required data or chalcons of data that the formulator has adomitted in support of requirements.

This product may be used to formulate products for any additional uses not letted on the MP latest if the formulator, user group, or grover has corrested with U.S. EPA submission requirements regarding support of such uses.

appication. Only for formulation into enclavocates with directions for use that prohibit hybotical applications greater than 0.75 is an MCPP-pA. Only for formulation into enchanced as with checktons for use that prohibit spot freatment applications greater than 1.2 products with checktons for use that prohibit spot freatment applications greater than 1.2 Only for formulation into end-products with directions for use that prohibit aerial lbs ae MCPP-p/A

Do not allow this chemical or dilutions of it to come into contact with seristive crop plants. trees, or contamentals.

## STORAGE AND DISPOSAL

Do not combanitate water, foot or feed by storage or disposal,

requires that a different container replace a diamaged container. In such case, dearly black contains. Some in a securativamentaries, strategicaliding or fermand strategy year, preferably, in a location that is oool and dry. Do not store in dose proximity to seeds, feritizers, insecticides or fundicides. Containers strauld be opened in well vertilated. Store only in original container unless an emergency areas. Keep container sealed when not in use. PESTICIDE STORAGE:

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous, inproper disposal of excess pesticide, spray motine or ineate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to contaminate ground water, if these wastes cannot be disposed of by use according to add historians, sortial syour State Pedicide or Environmental Control Agenty, or the Hazardous Waste representative at the reservet EPA Regional Office for guidance.

CONTANER DISPOSAL: Nomeliable container. Donot reuse or reli this container, completely empty bag into this formutation equipment. Then offer for recycling if available or dispose of the empty bag in a sentiary landle or by inchreation, or, if allowed by state and local authorities, by burning. If tumed, stay out of sincke.

## WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The dredions for use of this product must be followed ceretally. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELINERED TO YOU ARE HINISHED: "AS ISPEY MANUFACTHER OR SELLER AND (2) MANUFACTURER OR SELLER AND SELLER MAKE NO WARRANTIES, GLARANTEES, OR HEPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY LUSGE OF TRADE, STANLIOTRY OF OR OTHERWORS, WITH REGARD TO THE PRODUCT SOLD, NOLLUBING, BUT NOT LIMITED TO NIERCHATABILITY, ETHERS FOR A PARTICULAR PURPOSE, USE, OR ELGIBILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR ELGIBLITY OF THE PRODUCT FOR ANY PARTICULAR TADE USAGE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYERS OR USER'S EXCLUSIVE READER, AND MANUFACTURERS OR SELLERS TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty designings, or instantons on liability, do not use the product, and retain it innopened to the Seler, and the purchase price will be tetunded.

(RV030514) 12006000

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Morrisville, NC.27560 NUFARM AMERICAS INC Manufactured For See Division 4020 Aerial Center Parkway



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)

**V** . 



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

Mecoprop-p Technical

EPA Reg. No.:

70596-7

**Product Type:** 

For Manufacturing Use Only - Herbicides

Company Name:

Nufarm Americas Inc. SJM Division

4020 Aerial Center Parkway Morrisville, NC 27560 1-800-345-3330

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide, Please see Section 15. REGULATORY INFORMATION for explanation.

### 2. HAZARDS IDENTIFICATION

### PHYSICAL HAZARDS:

None known.

## **HEALTH HAZARDS:**

Serious eye damage/eye irritation

Category 1

Acute toxicity, oral

Category 4

## **ENVIRONMENTAL HAZARDS:**

Hazardous to aquatic environment, acute

Category 3

## SIGNAL WORD:

**DANGER** 

## **HAZARD STATEMENTS:**

Causes serious eye damage. Harmful if swallowed. Harmful to aquatic life. May form combustible dust concentrations in air during processing.





## PRECAUTIONARY STATEMENTS

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves. Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Dispose of contents in accordance with local, state, and federal regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTSCAS NO.% BY WEIGHTMecoprop-p Acid16484-77-890.0 - 98.04-chloro-2-methyl phenol (PCOC)1570-84-5< 1.0</td>Proprietary process impuritiesTrade SecretTrade Secret

Synonyms:

MCPP-p; (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get immediate medical attention.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If symptoms develop, get medical advice.

**If Swallowed:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If symptoms develop, get medical advice.

Most important symptoms/effects: Causes severe eye irritation and possible damage. Harmful if swallowed. If ingested or absorbed through the skin, may cause diarrhea, headache, nausea, and vomiting. Prolonged exposure may cause liver and kidney damage.

Indication of immediate medical attention and special treatment needed: Immediate medical attention is required for eye contact. For ingestion there is no specific antidote available. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media: Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. Hazardous Decomposition Materials (Under Fire Conditions): May produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Methods for Cleanup and Disposal: Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Other Information: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

## HANDLING:

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Do not get in eyes, on skin or on clothing. Avoid breathing dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### STORAGE:

Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, clearly label contents. Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in close proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## **Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

## Personal Protective Equipment:

**Eye/Face Protection:** To avoid contact with eyes, wear chemical goggles. An emergency eyewash or water supply should be readily accessible to the work area.

Skin Protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. Washing facilities should be readily accessible to the work area.

Respiratory Protection: Not normally required. If dust exceeds acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

## **Exposure Guidelines:**

Component	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	Unit
Mecoprop-p Acid	NE	NE	NE	NE	
4-Chlor-2-methylphenol (PCOC)	NE	NE	NE	NE	
Proprietary process impurities	N/A	N/A	N/A	N/A	

NE = Not Established N/A= Not Applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Beige solid

Odor:

Weak phenolic odor No data available

Odor threshold:

22

Melting point/freezing point:

178 - 198° F (81.5 - 92° C)

Initial boiling point and boiling range

Not applicable

Flash point: Evaporation rate: Not applicable Not applicable

February 14, 2015

## Mecoprop-p Technical

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapor pressure: Vapor density:

Relative density:

Solubility(ies): Partition coefficient: n-octanol/water:

Autoignition temperature: Decomposition temperature:

Viscosity:

No data available

No data available

1.4 x 10<sup>-5</sup> torr @ 20 °C No data available

1.281 g/mL (tapped) 0.6 g/mL, dry uncompacted

Soluble (620 - 859 mg/L)

No data available

No data available

92° C

No data available

Note: Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

## 10. STABILITY AND REACTIVITY

Reactivity: This product is not normally reactive.

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Keep away from heat, sparks and open flame. Minimize dust generate and accumulation.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye and Skin contact.

Symptoms of Exposure: May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

Delayed, immediate and chronic effects of exposure: May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

## **Toxicological Data:**

Data from laboratory studies conducted on MCPP-p Acid Technical:

Oral: Rat LD<sub>50</sub>: 775 mg/kg Dermal: Rat LD<sub>50</sub>: >2,000 mg/kg Inhalation: Rat 4-hr LC<sub>50</sub>: >5.6 mg/l

Eve Irritation: Rabbit: Severely irritating/corrosive

Skin Irritation: Rabbit: Slightly irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

Carcinogenicity / Chronic Health Effects: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a Class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, more current Mecoprop-p lifetime feeding study in mice, did not show carcinogenic potential.

Reproductive Toxicity: No impairment of reproductive function attributable to Mecoprop-p have been noted in laboratory animal studies.

Developmental Toxicity: Studies in laboratory animals with Mecoprop-p have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

Germ Cell Mutagenicity: MCPP-p is not mutagenic.

This product contains substances that are considered to be probable or suspected human carcinogens as follows:

	Regulatory Agency Listing As Carcinogen				
Component	ACGIH	IARC	NTP	OSHA	
Chlorophenoxy Herbicides	No	2B	No	No	
4-Chlor-2-methylphenol (PCOC)	No	No	No	No	

## Mecoprop-p Technical

Proprietary process related impurities	No	No	No	No
IADC Croup 2P: Bessibly persinggarie to hum				

IARC Group 2B: Possibly carcinogenic to humans.

## 12. ECOLOGICAL INFORMATION

## **Environmental Hazards:**

Mecoprop-p is slightly to practically non-toxic to fish and aquatic invertebrates and moderately toxic to birds.

## **Ecotoxicity:**

Data on Mecoprop-p Acid:

96-hour LC $_{50}$  Bluegill: >93 mg/l Bobwhite Quail Oral LD $_{50}$ : 500 mg/kg 96-hour LC $_{50}$  Rainbow Trout: >93 mg/l Mallard Duck Oral LD $_{50}$ : 486 mg/kg 48-hour LC $_{50}$  Daphnia: >91 mg/l 48-hour Honey Bee Contact LD $_{50}$ : >200  $\mu$ g/bee

72-hour LC<sub>50</sub> Algae: 16.2 mg/L

## **Environmental Fate:**

Mecoprop-p acid is relatively immobile in most soils and has a half-life of several days in surface soils. The primary routes of dissipation appear to be photodegradation in water, microbial-mediated degradation, and leaching. Aqueous photolysis half-lives range from 4 to 7 days. In soil, mecoprop-p is microbially degraded with a typical half-life of approximately 11 to 15 days. Mecoprop-p acid is readily biodegradable in screening studies (81% in 10 days).

## 13. DISPOSAL CONSIDERATIONS

## **Waste Disposal Method:**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

DOT:

Non Regulated

IMDG:

Non Regulated

IATA:

Non Regulated

## 15. REGULATORY INFORMATION

## **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## **U.S. FEDERAL REGULATIONS**

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

Mecoprop-p Technical

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

**Immediate** 

Section 313 Toxic Chemical(s):

Mecoprop (93-65-2), 90.5% equivalent by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None given

**RCRA Waste Code:** 

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed.

## 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 3 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

Date of Issue:

February 14, 2015

Supersedes:

October 1, 2014



## **United States**

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## **Notice of Arrival of Pesticides and Devices**

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

	Part 1	: To Be Co	mpleted by Importer	of record or Licensed Customs	Broker	
1. Name and Complete	Address of	Licenced (	Lustoms Broker	2. Name and Complete Address of Importer of Record		
Expeditors International Attn: Brynn Wisz 849 Thomas Drive Bensenville, IL 60106 T:630-616-2318				Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-1330		
Return Form to this Address				Return to this Address		
3. Name and Complete	Address of	Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm UK Limited				70596-7	15440-GBR-001	
Wyke Lane Bradford, West Yorkshire, United Kingdom				6. Brand Name of Product  Mecoprop-P Technical		
7. Active Ingredients a	nd Percenta	ige of Each				
(+)-R-2-(2-methyl-4-ch	lorophenox	y) propioni	ic acid 90.5%			
8. Unit Size	9. Quantit	У	10. Total Net Weight	11. Country of Origin		
25 Kg Bags	1440		36,000 Kg	United Kingdom		
12. Port of Entry				13. Name and Complete Address of Carrier		
Chicago Illinois				OOCL (USA) Inc. Headquarters 2633 Camino Ramon, Suite 400 (P.O. Box 5100) San Ramon, CA 94583  Dhone: (1) 925 258 OOCL (6625)		
14. Entry Number		15. Antici	pated Entry Date			
231-0225173-8		April 21,	2015			
17. Location of Goods	for Examin	ation after	Importation	Information is shown in the ab	onstituting Confidential Business pove blocks numbered: (Note: Blocks	
Nufarm Americas, Inc. c/o Norbert Dentressangle Warehouse 21399 Torrence Ave. Sauk Village, IL 60411 P: 708-753-0396				4, 5, 6 and 7 are not entitled to	CBI treatmentsee instructions.)	
18. [Optional] For pesticides without an EPA Registration No., select processing of the Notice of Arrival.)			Registration No., select	all that apply: (The following info	ormation may expedite the	
☐ 18a. A pesticide tra	nsferred be	etween reg	istered establishments	operated by the same producer.	Domestic Producer Establishment	
Number:			<del></del>			
18b. A pesticide transferred between registered establishments not operated by the same producer. Domestic Producer Establish					icer. Domestic Producer Establish-	
ment Number: EPA Registration Number of Product being Formulated, if applicable:					if applicable:	
☐ 18c. A pesticide distributed under an Experimental Use Permit. Experimental Use Permit Number:						

		·	
	-		
·			
. •			

PA Registration Number: 70596-7 Product Name: Mecoprop-P Technical						
Total Net Weight: 36,000 Kg Entry Number: 231-0225173-8						
☐ 18d. A Pesticide distributed for research and devel	opment purposes without an Experime	ntal Use Permit.				
<ul><li>18e. A pesticide transferred solely for export. Dor</li></ul>						
 ☐ 18f. A pesticide distributed under an emergency e						
18g. A pesticide transferred for the purposes of dis	sposal.					
18h. Other. Provide an explanation including the instates in Block 19—Remarks.	ntended use and a description of why th	ne product is beir	ıg İmpor	ted into the United		
19. Remarks. Provide additional information here. It is the NOA.	s recommended that a copy of the label	affixed to the pro	oduct be	submitted with		
Container numbers: OOLU9834655 OOLU9662520						
	Certification					
I certify that the statements I made on this form an knowingly false or misleading statement :						
20. Printed Name of Importer of Record or Licensed Customs Broker Vic Sweetwood		Telephone No.:	708-377	7-1365		
21. Signature of Importer of Record or Licensed Customs Broker:	duotos		Date:	April 8, 2015		
Part II: To Be Com	pleted by U.S. Environmental Protect	ion Agency				
Action to be taken by U.S. Customs and Border Prote	ction:		- Parrier			
Belease Shipment Detain for inspection	Release shipment to consignee under b inspection.	ond. Shipment m	iust be h	neld intact pending		
Other. (Specify)						
Remarks:						
Signature and Title of EPA Official	tomment ab	an	Date: (	FIMIS		
The information shown in Part I was compared with was handled as instructed by EPA in Part II. Any dev		l no discrepancies				
Remarks:						
Signature of District Director of Customs:			Date:			

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

# MECOPROP-P TECHNICAL

# FOR MANUFACTURING USE ONLY

EPAREG. NO. 70596-7

EPA EST. NO.15440-GBR-001

KEEP OUT OF REACH OF CHILDREN

DANGER / PELIGRO
SI usted no erifiende la exquiella, busque a alguien para que se la excilique a usted en
detaile. (If you do not understand the label, find someone to explain it to you in detail.)

SEE BELOW FOR FRIST AID AND ADDITIONAL PRECAUTIONARY
STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Orly, Call (877) 325-1840

## PRECAUTIONARY STATEMENTS HAZARDS TOHUMANS AND DOMESTIC ANIMALS DANGER / PELIGRO

Corroske. Causes ineversible eye damaga. Hamful # svalboxed, Inhaled or absorbed through the skin. Do not get in eyes, on skin or on dothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with scap and water after handling. Remove contaminated dothing and watsh before re-use.

	MINISTER CONTRACTOR CO
	TRUI AU
	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20</li> </ul>
	minutes.
	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then</li> </ul>
	continue rinsing eye.
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
	<ul> <li>Call a poison control center or doctor immediately for treatment</li> </ul>
	actvice.
Ti	<ul> <li>Have person sip a glass of water if able to swallow.</li> </ul>
SWALLOWED	<ul> <li>Do not induce vorning unless told to do so by a poison control</li> </ul>
	center or doctor.
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
IF ON SKIN	<ul> <li>Take off contaminated clothing.</li> </ul>
2	<ul> <li>Rinse skin immediately with plently of water for 15 to 20 minutes.</li> </ul>
CLOTHING	<ul> <li>Call a poison control center or doctor for treatment actioe.</li> </ul>
	Move person to fresh air.
	<ul> <li>If person is not breathing, call 911 or an ambulance, then give</li> </ul>
	artificial respiration, preferably mouth-to-mouth, if possible.
	<ul> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>

Have the product container or label with you when railing a poison control center or doctor or going the treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

## NOTE TO PHYSICIAN

For eye intation, examination by an opinthalmologist may be indicated. If swallowed, probable mucosal damage may containdoate the use of gashic lavage. Product contains a phenoxy herbicide chemical. There is no specific artificite.

## ENVIRONMENTAL HAZARDS

Do not discharge effuert containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

This product is not compatible with strong oxidizers.

## DIRECTIONS FOR USE

It is a violation of Federal Lawto use this product in a manner inconsistent with its labeling.

Only for formulation into a hertricide for: 1) The following uses: nonfloot terrestrial, including residential lawns, soci farms, amamerial furf, golf courses, parks and playgrounds, cernetery, and tights of way, 2) Less for which USEPA has accepted the required data or citations of data that the formulator has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA requirements.

This product may be used to formulate products for any additional uses not listed on the MP label if the formulator, user group, or grower has compiled with U.S. EPA submission requirements regarding support of such uses.

Only for formulation into end-products with directions for use that prohibit zerial application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0,75 to see MCPP-p/A. Only for formulation into end-products with directions for use that prohibit spot treatment applications greater than 1.2 lbs are MCPP-p/A.

Do not allow this chemical or dilutions of it to come into contact with sensitive crop plants, trees, or omamentals.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal

PESTICIDE STORAGE. Store only in critical container unless an emergency requires that a different container replace a carnaged container, in such case, dearly label contents, Store in a secured warehouse, storage building or ferniced storage based on the is cool and only. Do not storage in doce provintify to seebard, fertilizens, insectificates or fungicides. Containers should be opered in well vertiliated areas. Keep container sealed when not in use.

PESTICIDE DISPOSAL: Pestibide wastes are acutely hazardous, Improper disposal of excess pestibide, spray mixture or inteste is a violation of Federal Law and may contaminate ground water. If these wastes carried be disposed of by use according to label instructions, contact your State Pestibide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER CISPOSAL: Nonrefilable container. Do not reuse or refit this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanilary landfill or by incineration, or, if allowed by state and local authorities, by burning, if burned, stay out of smoke.

# WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW. (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS"BY MANUFACTURER OR SELLER AND (2) MANUFACTURER OR SELLER AND (2) ARE PRESENTATIONS OF ANY KND TO BUYER OR USER, EITHER EXPRESS OR MEPLED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBLITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. TO THE EXCLUSIVE REMEDY, AND MANUFACTURERS OR SELLERS TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV030614)

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Manufactured For NUFARM AMERICAS INC SJM DIVISION 4020 Agrial Center Parkway Morrtsville, NC 27560



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)





## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Mecoprop-p Technical

EPA Reg. No.:

70596-7

Product Type:

For Manufacturing Use Only - Herbicides

Company Name:

Nufarm Americas Inc. SJM Division

4020 Aerial Center Parkway Morrisville, NC 27560 1-800-345-3330

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

## 2. HAZARDS IDENTIFICATION

## PHYSICAL HAZARDS:

None known.

## **HEALTH HAZARDS:**

Serious eye damage/eye irritation

Category 1

Acute toxicity, oral

Category 4

## **ENVIRONMENTAL HAZARDS:**

Hazardous to aquatic environment, acute

Category 3

## SIGNAL WORD:

DANGER

## HAZARD STATEMENTS:

Causes serious eye damage. Harmful if swallowed. Harmful to aquatic life. May form combustible dust concentrations in air during processing.





## PRECAUTIONARY STATEMENTS

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves. Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Dispose of contents in accordance with local, state, and federal regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS

Mecoprop-p Acid

4-chloro-2-methyl phenol (PCOC)

Proprietary process impurities

CAS NO.

% BY WEIGHT

16484-77-8

90.0 - 98.0< 1.0

1570-84-5 Trade Secret

Trade Secret

Synonyms:

MCPP-p; (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get immediate medical attention.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If symptoms develop, get medical advice.

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If symptoms develop, get medical advice.

Most important symptoms/effects: Causes severe eye irritation and possible damage. Harmful if swallowed. . If ingested or absorbed through the skin, may cause diarrhea, headache, nausea, and vomiting. Prolonged exposure may cause liver and kidney damage.

Indication of immediate medical attention and special treatment needed: Immediate medical attention is required for eye contact. For ingestion there is no specific antidote available. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Extinguishing Media: Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Firefighters should wear NIOSH approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. Hazardous Decomposition Materials (Under Fire Conditions): May produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective gear for the situation. See Personal Protection Information in Section 8.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Methods for Cleanup and Disposal: Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Other Information: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

## HANDLING:

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Do not get in eyes, on skin or on clothing. Avoid breathing dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### STORAGE:

Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, clearly label contents. Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in close proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## **Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

## Personal Protective Equipment:

Eye/Face Protection: To avoid contact with eyes, wear chemical goggles. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. Washing facilities should be readily accessible to the work area.

Respiratory Protection: Not normally required. If dust exceeds acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

## **Exposure Guidelines:**

,	OS	OSHA		ACGIH	
Component	TWA	STEL	AWT	STEL	Unit
Mecoprop-p Acid	NE	NE	NE	NE	
4-Chlor-2-methylphenol (PCOC)	NE	NE	NE	NE	
Proprietary process impurities	N/A	N/A	N/A	N/A	

NE = Not Established N/A= Not Applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Odor:

Odor threshold:

pH:

Melting point/freezing point:

initial boiling point and boiling range

Flash point:

Evaporation rate:

Beige solid

Weak phenolic odor No data available

2-3

178 - 198° F (81.5 - 92° C)

Not applicable Not applicable Not applicable

February 14, 2015

## **Mecoprop-p Technical**

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapor pressure:

Vapor density: Relative density:

Solubility(ies):

Partition coefficient: n-octanol/water:

Autoignition temperature: Decomposition temperature:

Viscosity:

No data available No data available

1.4 x 10<sup>-5</sup> torr @ 20 °C No data available

1.281 g/mL (tapped) 0.6 g/mL, dry uncompacted

Soluble (620 - 859 mg/L)

No data available No data available

92° C

No data available

**Note:** Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

## 10. STABILITY AND REACTIVITY

Reactivity: This product is not normally reactive.

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Keep away from heat, sparks and open flame. Minimize dust generate and accumulation.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye and Skin contact.

Symptoms of Exposure: May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

**Delayed, immediate and chronic effects of exposure:** May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

Toxicological Data:

Data from laboratory studies conducted on MCPP-p Acid Technical:

Oral: Rat LD<sub>50</sub>: 775 mg/kg

**Dermal:** Rat LD<sub>50</sub>: >2,000 mg/kg **Inhalation:** Rat 4-hr LC<sub>50</sub>: >5.6 mg/l

Eye Irritation: Rabbit: Severely irritating/corrosive

Skin Irritation: Rabbit: Slightly irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

**Subchronic (Target Organ) Effects:** Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

Carcinogenicity / Chronic Health Effects: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a Class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, more current Mecoprop-p lifetime feeding study in mice, did not show carcinogenic potential.

Reproductive Toxicity: No impairment of reproductive function attributable to Mecoprop-p have been noted in laboratory animal studies.

**Developmental Toxicity:** Studies in laboratory animals with Mecoprop-p have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

Germ Cell Mutagenicity: MCPP-p is not mutagenic.

This product contains substances that are considered to be probable or suspected human carcinogens as follows:

	Regulatory Agency Listing As Carcinogen				
Component	ACGIH	IARC	NTP	OSHA	
Chlorophenoxy Herbicides	No	2B	No	No	
4-Chlor-2-methylphenol (PCOC)	No	No	No	No	

## Mecoprop-p Technical

		·		
Proprietary process related impurities	No	No	No	No

IARC Group 2B: Possibly carcinogenic to humans.

## 12. ECOLOGICAL INFORMATION

## Environmental Hazards:

Mecoprop-p is slightly to practically non-toxic to fish and aquatic invertebrates and moderately toxic to birds.

## **Ecotoxicity:**

Data on Mecoprop-p Acid:

96-hour LC<sub>50</sub> Bluegill: >93 mg/l Bobwhite Quail Oral LD50: 500 mg/kg 96-hour LC<sub>50</sub> Rainbow Trout: Mallard Duck Oral LD<sub>50</sub>: >93 mg/l 486 mg/kg 48-hour Honey Bee Contact LD<sub>50</sub>: >200 μg/bee 48-hour LC<sub>50</sub> Daphnia: >91 ma/l

72-hour LC<sub>50</sub> Algae:

16.2 mg/L

## **Environmental Fate:**

Mecoprop-p acid is relatively immobile in most soils and has a half-life of several days in surface soils. The primary routes of dissipation appear to be photodegradation in water, microbial-mediated degradation, and leaching. Aqueous photolysis half-lives range from 4 to 7 days. In soil, mecoprop-p is microbially degraded with a typical half-life of approximately 11 to 15 days. Mecoprop-p acid is readily biodegradable in screening studies (81% in 10 days).

## 13. DISPOSAL CONSIDERATIONS

## Waste Disposal Method:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

DOT:

Non Regulated

IMDG:

Non Regulated

IATA:

Non Regulated

### 15. REGULATORY INFORMATION

## **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### U.S. FEDERAL REGULATIONS

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

Mecoprop-p Technical

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

**Immediate** 

Section 313 Toxic Chemical(s):

Mecoprop (93-65-2), 90.5% equivalent by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None given

**RCRA Waste Code:** 

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed.

## 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 3 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

Date of Issue:

February 14, 2015

Supersedes:

October 1, 2014

## AND THE STATE OF T

## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## Notice of Arrival of Pesticides and Devices

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form. **Note:** Read Instructions before completing form.

		N	lote: Read Instructions l	pefore completing form.		
	Part 1	: To Be Co	mpleted by Importer o	of record or Licensed Customs	Broker	
1. Name and Complete	Address of	Licenced C	ustoms Broker	2. Name and Complete Address of Importer of Record		
849 Thomas Drive				Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-13	330	
x Return Form to this	Address	***************************************		Return to this Address		
3. Name and Complete	Address of	Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm UK Limited	<del></del>			70596-7	15440-GBR-001	
Wyke Lane Bradford,				6. Brand Name of Product		
West Yorkshire, United Kingdom			12	Mecoprop-P Technical		
7. Active Ingredients a	nd Percenta	ige of Each				
(+)-R-2-(2-methyl-4-ch	lorophenox	y) propioni	c acid 90.5%			
8. Unit Size	9. Quantit	у	10. Total Net Weight	11. Country of Origin		
25 Kg Bags	720		18,000 Kg	United Kingdom		
12. Port of Entry				13. Name and Complete Address of Carrier		
Chicago Illinois				OOCL (USA) Inc. Headquarters 2633 Camino Ramon, Suite 400 (P.O. Box 5100)		
14. Entry Number		15. Antici	pated Entry Date			
231-0208708-2		March 20	, 2015	San Ramon, CA 94583	25)	
17. Location of Goods	for Examin	ation after	Importation	Information is shown in the ak	onstituting Confidential Business books numbered: (Note: Blocks	
Nufarm Americas, Inc. c/o Norbert Dentressangle Warehouse 21399 Torrence Ave. Sauk Village, IL 60411 P: 708-753-0396				4, 5, 6 and / are not entitled to	o CBI treatmentsee instructions.)	
18. [Optional] For pest processing of the Noti			Registration No., select	all that apply: (The following inf	ormation may expedite the	
18a. A pesticide tra	ansferred b	etween reg	istered establishments	operated by the same producer.	. Domestic Producer Establishment	
Number:						
18b. A pesticide tra	ansferred b	_			ucer. Domestic Producer Establish-	
ment Number:		····	•	er of Product being Formulated,		
10. A particida distributad under an Evperimental I ca Parmit Evperimental Use Permit Number:						

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EPA Registration Number: 70596-7	Product Name: Mecoprop-	P Technical			
Total Net Weight: 18,000 Kg	Entry Number: 231-02087	08-2			
18d. A Pesticide distributed for research ar	nd-development purposes without	an Experimental Use	Permit.		
18e. A pesticide transferred solely for expo			***************************************		
18f. A pesticide distributed under an emer					
18g. A pesticide transferred for the purpos	· ·	,			
18h. Other. Provide an explanation includi States in Block 19 — Remarks.	ng the intended use and a descrip	tion of why the produ	ct is bein	g import	ed into the United
19. Remarks. Provide additional information I the NOA.	nere. It is recommended that a cop	y of the label affixed t	o the pro	duct be	submitted with
Container numbers:	-				
OOLU9434767					
	Certification				
I certify that the statements I made on this knowingly false or misleading sta	form and all attachments thereto	are true, accurate and or imprisonment or b	complete oth unde	e. I ackno r applica	owledge that any ble law.
20. Printed Name of Importer of Record or Licensed Customs Broker	eetwood	Telepho	one No.;	708-377	-1365
21, Signature of Importer of Record or Licensed Customs Broker:	Lie Smutier	>		Date:	March 5, 2015
Part II: To	Be Completed by U.S. Environm	ental Protection Age	ncy		
Action to be taken by U.S. Customs and Bord	er Protection:				
Release Shipment Detain for inspecti	ion $\square$ Release shipment to cons inspection.	ignee under bond. Shi	pment m	ust be h	eld intact pending
☐Other. (Specify)					
Remarks:	•				
					- AM-1899A
Signature and Title of EPA Official:	n topmen	& of ver		Date: 3	1916
•	o Be Completed by U.S. Custom	G G			<u>.</u>
The information shown in Part I was comp was handled as instructed by EPA in Part II.	ared with the entry papers for this Any deviations should be brough should be noted in "Ren	t to the attention of EF	repancies 'A before	were no releasin	oted. The shipmen g the shipment an
Remarks:				•	
	•				
Signature of District Director of Customs:				Date:	***************************************

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

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# MECOPROP-P TECHNICAL

# FOR MANUFACTURING USE ONLY

EPAREG NO. 70596-7

## KEEP OUT OF REACH OF CHILDREN

EPA EST. NO.15440-GBR-001

Si usted no entende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detait.) DANGER / PELIGRO

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Niedical Emergencies Only, Call (877) 325-1840

## PRECAUTIONARY STATEMENTS HAZARDS TO HUWANS AND DONESTIC ANIMALS JANGER / PELIGRO

through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated dothing and wastr before re-use. Corrosive. Causes irreversible eye damage, Hamful if swallowed, inhaled or absorbed

IF IN EYES	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.  Remove contact lenses, if present, after the first 5 minutes, then continue thising eye.  Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul> <li>Call a poison control center of doctor infinentiately for treatment advice.</li> <li>Adve person sip a glass of water if able to swallow.</li> <li>Do not induce vornting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
CLOTHING CR	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with planty of water for 15 to 20 minutes.</li> <li>Call a poison control center or dodor for treatment advice.</li> </ul>
FINHALED	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an arribulance, then give afficial respiration, pretarably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-325-1840 for emergency medical freshment information. HOT LINE NUMBER

## NOTE TO PHYSICIAN

For eye iritation, examination by an ophthalmologist may be indicated. If swallowed, probable mucosal damage may contraindicate the use of gastric favage. Product contains a phenoxy herboide chemical. There is no specific artifocte.

## **ENVIRONMENTAL HAZARDS**

product to sewer systems without previously notifying the local sewage treatment plant Do not discreage effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Etimination System (NPDES) permit and the permitting authority authority. For guidance contact your State Water Board or Regional Office of the EPA has been notified in writing prior to discharge. Do not decharge effluent containing this

PHYSICAL OR CHEMICAL HAZARDS

This product is not compatible with strong oxidizers

## DIRECTIONS FOR USE

It is a violation of Federal Lawto use this product in a manner inconsistent with its

Only for formulation into a herbidde for: 1) The following uses: nonflood terrestrial, including residential lawns, soci famis, ornamental turf, golf courses, parks and injury products, cemetery, and rights of way, 2) Uses for which USEPA has accepted the required data or citations of data that the formulator has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA. requirements.

This product may be used to formulate products for any additional uses not listed on the MP label if the formulator, user group, or grower has compiled with U.S. EPA submission requirements regarding subport of such uses.

application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0.75 in ae MCPP-pA, Only for formulation into end-products with directions for use that prohibit spot treatment applications greater than 1.2 Crity for formulation into end-products with directions for use that prohibit aeria

trees, or omamentals Do not allow this chemical or dilutions of it to come into contact with sensitive crop plants

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal

PESTICIDE STORACE: Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, deatly label contraints. Store in a secured warelnose, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in dose proximity to seeds, preferably in a location that is cool and dry. Do not store in dose proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well verifiated areas. Keep container sealed when not in use.

PESTICIDE DISPOSAL: Pestibite wastes are acutely hazardous. Improper disposal of excess pestible, spray mixture or rinstate is a violation of Federal Law and may ordinarinate ground water. If these wastes cannot be disposed of by use according to abel instructions, contact your State Pestidos or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER CISPOSAL: Nonrefliable container. Do not reuse or reall this container. Completely empty bag into the formulation equipment. Then offer for recycling it available or dispose of the empty bag in a sanitary landill or by incheration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW. (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "NS IS"BY MANUFACTURER OR SELLER AND (2) ARE FURNISHED "NS IS"BY MANUFACTURER OR SELLER AND (2) MANUFACTURER, AND SELLER MAKE NO WARRANTIES, GLARANTEES, OR REPRESENTATIONS OF ANYKIND TO BUYER OR USER, EITHER EXPRESS OR REPRESENTATIONS OF ANYKIND TO BUYER SOLD, INCLIDING, BUT NOT LIMITED TO REGARD TO THE PRODUCT FOR ANYFPARTICULAR TRADEUSAGE. OR MERCHANITABILITY, FITNESS FOR A PARTICULAR TRADEUSAGE. TO THE ELGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADEUSAGE. TO THE EXCELLER'S TOTAL LABILITY EXCLUSIVE REMIEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers; or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

12006000

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

4020 Aerial Center Parkway NUFARM AMERICASING Morrisville, NC 27560 Manufactured For SJM Division



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

Mecoprop-p Technical

EPA Reg. No.:

70596-7

**Product Type:** 

For Manufacturing Use Only - Herbicides

Company Name:

Nufarm Americas Inc. SJM Division

4020 Aerial Center Parkway Morrisville, NC 27560 1-800-345-3330

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

## 2. HAZARDS IDENTIFICATION

## PHYSICAL HAZARDS:

None known.

## **HEALTH HAZARDS:**

Serious eye damage/eye irritation

Category 1

Acute toxicity, oral

Category 4

## **ENVIRONMENTAL HAZARDS:**

Hazardous to aquatic environment, acute

Category 3

## SIGNAL WORD:

**DANGER** 

## HAZARD STATEMENTS:

Causes serious eye damage. Harmful if swallowed. Harmful to aquatic life. May form combustible dust concentrations in air during processing.





## PRECAUTIONARY STATEMENTS

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves. Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Dispose of contents in accordance with local, state, and federal regulations

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTSCAS NO.% BY WEIGHTMecoprop-p Acid16484-77-890.0 - 98.04-chloro-2-methyl phenol (PCOC)1570-84-5< 1.0</td>Proprietary process impuritiesTrade SecretTrade Secret

Synonyms:

MCPP-p; (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get immediate medical attention.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If symptoms develop, get medical advice.

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If symptoms develop, get medical advice.

**Most important symptoms/effects:** Causes severe eye irritation and possible damage. Harmful if swallowed. If ingested or absorbed through the skin, may cause diarrhea, headache, nausea, and vomiting. Prolonged exposure may cause liver and kidney damage.

Indication of immediate medical attention and special treatment needed: Immediate medical attention is required for eye contact. For ingestion there is no specific antidote available. Treat symptomatically,

## 5. FIRE FIGHTING MEASURES

Extinguishing Media: Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. Hazardous Decomposition Materials (Under Fire Conditions): May produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Methods for Containment:** Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Cleanup and Disposal:** Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Other Information: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

### HANDLING:

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Do not get in eyes, on skin or on clothing. Avoid breathing dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## STORAGE:

Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, clearly label contents. Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in close proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## **Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

## Personal Protective Equipment:

**Eye/Face Protection:** To avoid contact with eyes, wear chemical goggles. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. Washing facilities should be readily accessible to the work area.

Respiratory Protection: Not normally required. If dust exceeds acceptable levels, wear NIOSH approved airpurifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

## **Exposure Guidelines:**

	OSHA		ACGIH			
Component	TWA	STEL	TWA	STEL	Unit	
Mecoprop-p Acid	NE	NE	NE	. NE		
4-Chlor-2-methylphenol (PCOC)	NE	NE	NE	NE		
Proprietary process impurities	N/A	N/A	N/A	N/A		

NE = Not Established N/A= Not Applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Odor:

Odor threshold:

:Ha

Melting point/freezing point:

Initial boiling point and boiling range Flash point:

Flash point: Evaporation rate: Beige solid

Weak phenolic odor No data available

2-3

178 - 198° F (81.5 - 92° C)

Not applicable Not applicable Not applicable

## Mecoprop-p Technical

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapor pressure: Vapor density:

Relative density: Solubility(ies):

Partition coefficient: n-octanol/water:

Autoignition temperature: Decomposition temperature:

Viscosity:

No data available No data available 1.4 x 10<sup>-5</sup> torr @ 20 °C

1.281 g/mL (tapped) 0.6 g/mL, dry uncompacted

Soluble (620 - 859 mg/L)

No data available No data available

No data available

92° C

No data available

**Note:** Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

## 10. STABILITY AND REACTIVITY

Reactivity: This product is not normally reactive.

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Keep away from heat, sparks and open flame. Minimize dust generate and accumulation.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye and Skin contact.

Symptoms of Exposure: May cause severe irritation and possible eye-damage. Eyes may water profusely. May cause mild skin irritation.

**Delayed, immediate and chronic effects of exposure:** May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

Toxicological Data:

Data from laboratory studies conducted on MCPP-p Acid Technical:

Oral: Rat LD<sub>50</sub>: 775 mg/kg Dermal: Rat LD<sub>50</sub>: >2,000 mg/kg Inhalation: Rat 4-hr LC<sub>50</sub>: >5.6 mg/l

Eye Irritation: Rabbit: Severely irritating/corrosive

Skin Irritation: Rabbit: Slightly imitating

Skin Sensitization: Not a contact sensitizer in quinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

Carcinogenicity / Chronic Health Effects: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a Class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, more current Mecoprop-p lifetime feeding study in mice, did not show carcinogenic potential.

Reproductive Toxicity: No impairment of reproductive function attributable to Mecoprop-p have been noted in laboratory animal studies.

**Developmental Toxicity:** Studies in laboratory animals with Mecoprop-p have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

Germ Cell Mutagenicity: MCPP-p is not mutagenic.

This product contains substances that are considered to be probable or suspected human carcinogens as follows:

	Regula	Regulatory Agency Listing As Carcinogen				
Component	ACGIH	IARC	NTP	OSHA		
Chlorophenoxy Herbicides	No	2B	No	No		
4-Chlor-2-methylphenol (PCOC)	No	No	No	No		

## Mecoprop-p Technical

Proprietary process related impurities	No :	No	No	No
14000 000 000				

IARC Group 2B: Possibly carcinogenic to humans.

## 12. ECOLOGICAL INFORMATION

### Environmental Hazards:

Mecoprop-p is slightly to practically non-toxic to fish and aquatic invertebrates and moderately toxic to birds.

## **Ecotoxicity:**

Data on Mecoprop-p Acid:

96-hour LC $_{50}$  Bluegill: >93 mg/l Bobwhite Quail Oral LD $_{50}$ : 500 mg/kg 96-hour LC $_{60}$  Rainbow Trout: >93 mg/l Mallard Duck Oral LD $_{50}$ : 486 mg/kg 48-hour LC $_{50}$  Daphnia: >91 mg/l 48-hour Honey Bee Contact LD $_{50}$ : >200  $\mu$ g/bee

72-hour LC<sub>50</sub> Algae: 16.2 mg/L

## **Environmental Fate:**

Mecoprop-p acid is relatively immobile in most soils and has a half-life of several days in surface soils. The primary routes of dissipation appear to be photodegradation in water, microbial-mediated degradation, and leaching. Aqueous photolysis half-lives range from 4 to 7 days. In soil, mecoprop-p is microbially degraded with a typical half-life of approximately 11 to 15 days. Mecoprop-p acid is readily biodegradable in screening studies (81% in 10 days).

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

DOT:

Non Regulated

IMDG:

Non Regulated

IATA:

Non Regulated

## 15. REGULATORY INFORMATION

## **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## U.S. FEDERAL REGULATIONS

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

## Mecoprop-p Technical

## SAFETY DATA SHEET

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

**Immediate** 

Section 313 Toxic Chemical(s):

Mecoprop (93-65-2), 90.5% equivalent by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None given

**RCRA Waste Code:** 

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed.

## 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 3 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

Date of Issue:

February 14, 2015

Supersedes:

October 1, 2014



## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## Notice of Arrival of Pesticides and Devices

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

····	Part 1	: To Be Co	mpleted by Importer	of record or Licensed Customs	Broker	
1. Name and Complete	Address of	Licenced C	ustoms Broker	2. Name and Complete Addres	s of Importer of Record	
W F Whelan Co. 41425 Joy Road Canton, MI 48187 ACollin@WFWhelan.com				Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040		
Return Form to this	Address			Return to this Address		
3. Name and Complete	Address of	Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm Limited				70596-7	15440-GBR-001	
Wyke Lane				6. Brand Name of Product		
Wyke Bradford West Yorkshire England	d BD12 9 E	IJ	•	Mecoprop-P Technical	and district the second	
7. Active Ingredients ar	nd Percenta	ige of Each		J		
	<u> </u>	***************************************			·	
	<b>.</b>				et e	
8. Unit Size	9. Quantit	У	10. Total Net Weight	ght 11. Country of Origin		
55 lb bags	2280 bags	THE STATE OF THE S	125400 lbs	England		
12. Port of Entry				13. Name and Complete Addre	ess of Carrier	
3801 Detroit			•			
14. Entry Number		15. Antici	pated Entry Date	OOCL Lines		
037-0295460-7		March 16	, 2015			
17. Location of Goods	for Examin	ation after	Importation		onstituting Confidential Business cove blocks numbered: (Note: Blocks	
Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040					o CBI treatment—see instructions.)	
18. [Optional] For pesti processing of the Notic			Registration No., select	t all that apply: (The following info	ormation may expedite the	
18a. A pesticide tra	nsferred be	etween reg	istered establishments	operated by the same producer.	Domestic Producer Establishment	
Number:	·	· ·				
18b. A pesticide tra	insferred be	etween reg	istered establishments	s not operated by the same produ	ucer. Domestic Producer Establish-	
ment Number: EPA Registration Number of Product being Formulated, if applicable:						
18c. A pesticide dis	stributed ur	nder an Exp	erimental Use Permit.	Experimental Use Permit Number	er:	

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical							
otal Net Weight: 125400 lbs Entry Number: 037-0295460-7								
☐ 18d. A Pesticide distributed for research and development purposes without an Experimental Use Permit.								
☐ 18e. A pesticide transferred solely for export. Do		T						
18f. A pesticide distributed under an emergency e	exemption. Emergency Exemption Num	ber:		·				
18g. A pesticide transferred for the purposes of dis	sposal.							
18h. Other. Provide an explanation including the instance of States in Block 19 Remarks.	ntended use and a description of why th	e product is bei	ng impol	rted into the United				
19. Remarks. Provide additional information here. It is the NOA.	s recommended that a copy of the label a	affixed to the pr	oduct be	submitted with				
	•	•						
Year of Manufacture - 2015	•			and the second of the second o				
	V.							
·	Certification							
I certify that the statements I made on this form and knowingly false or misleading statement n								
20. Printed Name of Importer of Record or Licensed Customs Broker	mational Ltd. / Dana Faville	Telephone No.:	816-584	-2442				
21. Signature of Importer of Record or Licensed Customs Broker:	ne Gaville		Date:	March 2, 2015				
Part II: To Be Comp	oleted by U.S. Environmental Protection	n Agency						
li Nikalasca Shinmant - Filiptsin torinchaction - Fil	tion: Release shipment to consignee under bo Inspection.	nd. Shipment m	ust be h	eld intact pending				
Remarks:	•							
Signature and Title of EPA Official: Date: 3/4/15  Part III: To Be Completed by U.S. Customs and Forder Protection								
The information shown in Part I was compared with the entry papers for this shipment and no discrepancies were noted. The shipment was handled as instructed by EPA in Part II. Any deviations should be brought to the attention of EPA before releasing the shipment and should be noted in "Remarks."								
Remarks:								
Signature of District Director of Customs:			Date:					

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

# MECOPROP-P TECHNICAL

# FOR MANUFACTURING USE ONLY

B. 55 60 50 50 50 50 (+)-R-2-(2-methyl-4-chlorophenoxy) propionio acid... OTHER INGREDIENTS:................. ACTIVE INGREDIENT:

EPAREG NO. 70596-7

EPA EST, NO.15440-GBR-001

## KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Si usked no embende la letquieta, busque a algulen para que se la explique a usted en detalle, (if you do not understand the label, find someone to explain it to you in detail s

SEE BELOW FOR PRST AID AND ADDITIONAL PRECAUTIONARY

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 Eor Weidcal Eniergencies Only, Call (877), 225-4840

## PRECAUTIONARY STATEMENTS DANGER / PELIGRO

Compaine; Carises irreversible eye damage. Harinful if swallowed, Inhaled or absorbed through the sidn. Do not get in eyes, on sidn on on ociothing. Avoid breathing class. Wear, grouples, face shield on safety glasses. Wash thoroughly with scap and water after handing. Remove contaminated dotfling and wash before re-use.

## If parson is not breathing, call 811 or arr antibulance; their give artificial respiration, prefigiably mouth-formouth, if possible. Call a poison control center or doctor for further treatment advice. Hold eye, open and rinse slowly and genity with water for 15 to 20, minutes. Call a polson control center or doctor immediately for treatment Have peison sip a glass of water if able to swallow. Do not induce vormang unless told to do so by a polson control · Remove contact lanses, if present, after the first 5 minutes, then Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a polson control center or doctor for treatment advice. Call a poison control center or dodor for treatment advice. Do not give anything by mouth to an unconscious person HOT LINE NUMBER Take off contarrimated dothing. FIRST AID Move person to fresh air: continue rinsing eye. center or doctor: advice. IF SWALLOWED FINHALED CLOTHING IF IN EYES FONSKIN

Have the product container or label with you when calling is poison control center or doctor or going for treatment. You may also contact 1877-328-1840 for emergency medical treatment information.

## NOTE TO PHYSICIAN

For eye Initation, examination, by an ophtratmologist may be indicated. If swallowed, probable, muopsal damage may contraindicate the use of gastric lavage. Product carteins a phenotych retitiolde chemical. There is no specific artifolde.

## ENVIRONMENTAL HAZARDS

Do not discharge effuent containing this product into lakes, steerins, ponds, estuantes, oceans, or public waters unless in accordance with the requirements of a National Politikati Discharge Elimination System (NPDES) pennit and the permitting authority has been notified in writing prior to discharge. Do not decharge effuent containing this product to severe systems without previously notifying the local sewage treatment than authority. For guidance contact your State Water Board or Regional Office of the EPA,

PHYSICAL OR CHEMICAL HAZARDS This product is not compatible with strong oxidizers.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its

Only for formulation into a herbidde for () The following uses; nonfood tenestrial, including residential lawns; sod fairns, ornamental turf golf, counters, parks and playgorants, censelva, and others of tway, 2) Less for whach USEPA has accepted the required data or calculations of data that the formulation has submitted in support of regalization; and 3) Uses for experimental pluriposes that are in compliation with USEPA. requirements, This product may be used to formulate products for any additional uses not lated on the MP label If the formulator, user grows, or grower has compled, with U.S. EPA submission requirements regarding support of such uses.

Only, for formulation into end-products with obsertions for use, that puthlibs serial application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0.75 to as MCPP-p/A. Only for formulation into end-products with directions for use that prohibit spot treatment applications greater than 1.2 bs as MCPP-p/A

Do not allow this chemical or dilutions of it to corne into contact with sensitive orop plants, trees, or on any sitiation.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

requires that a different container replace a damaged container, in such case, dearly label contents. Sore in a secured warehouse, stradge building or fericed storage yard, preferably in a location that is cool and dry. Do not store in dose proximity to seeds, fertilizers, insecticides or fungides. Containers should be operated in well vertilated PESTICIDE STORAGE: Store only in original container unless an emergency areas. Keep container sealed when not in use. PESTICIDE DISPOSAL: Pesticide voastes are acutely hazardous. Inproper disposal of excess pasticide, spray moture or riterate is a Voldinor of Federal Law and may confirmate ground water. If these westes cannot be disposed of by use according to label instructions; conflictly out. State Pesticide for Environmental Conflictly Agency, of the Hazardous Waste representative at the nearest EPA Regional Office for guidence.

CONTAINER DISPOSAL: Nornellable container. Bo not reuse or refli this container. Completely empty bag into the formulation equipment. Then, offer for recycling if available or dispose of the entity bag in a sanifary landfil or by inchention, or if allowed by state and local authorities, by burning, if burned, stay out of smoke,

## WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The dradius for use of this produid must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELVERED TO YOU ARE FRINGHED TO YOU ARE FROM WHIGHER AND SELLER MANUFACTURER. OR SELLER AND SELLER MAKE NO WARRANTES, CALGRANTEES, OR REPRESENTATIONS OF ANY KIND, TO BUYER OR USER, ETHER EXPRESS OR IMPLED, OR BY USAGE OF TRADE, STATUTORY AS OF OTHERWISE, WITH RECARD, TO THE PRODUCT SOLD, NOCLUDING, BUT, NOT, LIMITED TO MERCHANTABLITY, FITHESS FOR A PARTICULAR PURPOSE, USE, OR EIGBILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR EIGBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE, TO THE EIGBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE, TO THE SECTION OF SELLERS TOTAL LABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of idrections for use, the witharty destanties, or limitations on faibility, do not use the product, and return it unoptified to the Seler, and the purchase price will be returned.

(RV030614) 12006000

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Morrisville, NC 27560 NUFARM AMERICASING Manufactured For Sulf Division 4020 Aerial Center Parkway



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)



## **United States**

OMB Control No. 2070-0020° Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## **Notice of Arrival of Pesticides and Devices**

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

	Part	1: To Be C	ompleted by Importer	of record or Licensed Customs	Broker	
1. Name and Complete Address of Licenced Customs Broker			Customs Broker	2. Name and Complete Address of Importer of Record		
41425 Joy Road 333 Maple S			Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040	333 Maple Street		
Return Form to this	Address			Return to this Address		
3. Name and Complete	e Address o	f Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm Limited				70596-7	15440-GBR-001	
Wyke Lane				6. Brand Name of Product		
Wyke Bradford West Yorkshire Englar	nd BD12 9 I	EJ .		Mecoprop-P Technical	and the second s	
7. Active Ingredients a	nd Percent	age of Each	1			
8. Unit Size 9. Quantity 10. Total Net Weight 11. Country of Origin						
55 lb bags	2280 bags		125400 lbs	England		
12. Port of Entry				13. Name and Complete Addre	ss of Carrier	
3801 Detroit				The state of the s		
14. Entry Number		15. Antici	pated Entry Date	OOCL Lines		
037-0295460-7		March 16,	, 2015			
17. Location of Goods	for Examina	ation after (	mportation	Information is shown in the abo	nstituting Confidential Business ove blocks numbered: (Note: Blocks CBI treatmentsee instructions.)	
Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040						
18. [Optional] For pestion processing of the Notice			Registration No., select a	Ill that apply: (The following info	rmation may expedite the	
18a. A pesticide tra	nsferred be	tween regi:	stered establishments o	perated by the same producer. E	Domestic Producer Establishment	
Number:						
18b. A pesticide tra	nsferred be	tween regi	stered establishments n	ot operated by the same produc	er. Domestic Producer Establish-	
ment Number:		E	PA Registration Number	r of Product being Formulated, if	applicable:	
18c. A pesticide dist	tributed un	der an Expe	erimental Use Permit. E	xperimental Use Permit Number	•	

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical				
Total Net Weight: 125400 lbs	Entry Number: 037-0295460-7				
☐ 18d. A Pesticide distributed for research and deve	Johnnent purposes without an Experime	ntal Use Permit			
18e. A pesticide transferred solely for export. Do					
18f. A pesticide distributed under an emergency experience.					
18g. A pesticide transferred for the purposes of di		v			
18h. Other. Provide an explanation including the States in Block 19 Remarks.	-	ne product is beir	g imported into the United		
19. Remarks. Provide additional information here. It is the NOA.	s recommended that a copy of the label	affixed to the pro	oduct be submitted with		
Year of Manufacture - 2015					
	Certification				
I certify that the statements I made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					
20. Printed Name of Importer of Record or Licensed Customs Broker Scarbrough Into	ernational Ltd. / Dana Faville	Telephone No.:	816-584-2442		
21. Signature of Importer of Record or Licensed Customs Broker:					
Part II: To Be Com	pleted by U.S. Environmental Protect	ion Agency			
Action to be taken by U.S. Customs and Border Prote	ection:				
Release Shipment Detain for inspection Release shipment to consignee under bond. Shipment must be held intact pending inspection.					
Other. (Specify)			-		
Remarks:		•			
Signature and Title of EPA Official:			Date:		
Part III: To Be Completed by U.S. Customs and Border Protection					
The information shown in Part I was compared with the entry papers for this shipment and no discrepancies were noted. The shipment was handled as instructed by EPA in Part II. Any deviations should be brought to the attention of EPA before releasing the shipment and should be noted in "Remarks."					
Remarks:	,		•		
Signature of District Director of Customs:			Date:		

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

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## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## **Notice of Arrival of Pesticides and Devices**

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

Part 1: To Be Completed by Importer of record or Licensed Customs Broker							
				2. Name and Complete Address of Importer of Record			
Expeditors International Attn: Brynn Wisz 849 Thomas Drive Bensenville, IL 60106 T:630-616-2318				Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-1330			
X Return Form to this Address				Return to this Address			
3. Name and Complete Address of Shipper				4, EPA Registration Number	5. EPA Producer Establishment No.		
Nufarm UK Limited		70596-7	15440-GBR-001				
Wyke Lane Bradford, West Yorkshire, United Kingdom		6. Brand Name of Product  Mecoprop-P Technical					
7. Active Ingredients ar	nd Percenta	ige of Each		į.			
(+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid 90.5%							
8. Unit Size	9. Quantit	у	10. Total Net Weight	t 11. Country of Origin			
25 Kg Bags	,2160 Bag	S	54,000 Kg	United Kingdom			
12. Port of Entry	l		1	13. Name and Complete Address of Carrier			
Chicago Illinois		OOCL (USA) Inc. Headquarters					
14. Entry Number		15. Antici	pated Entry Date	2633 Camino Ramon, Suite 400			
231-0213288-8			(P.O. Box 5100) San Ramon, CA 94583 Phone (1) 935 358 OOCL (6635)				
17. Location of Goods for Examination after Importation		16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks 4, 5, 6 and 7 are not entitled to CBI treatment—see instructions.)					
Nufarm Americas, Inc. c/o Norbert Dentressangle Warehouse 21399 Torrence Ave. Sauk Village, IL 60411 P: 708-753-0396		4, 5, 6 and 7 are not entitled to	CBI treatment—see instructions.)				
18. [Optional] For pesticides without an EPA Registration No., select all that apply: (The following information may expedite the processing of the Notice of Arrival.)							
☐ 18a. A pesticide transferred between registered establishments operated by the same producer. Domestic Producer Establishment  Number:							
18b. A pesticide transferred between registered establishments not operated by the same producer. Domestic Producer Establish-							
ment Number: EPA Registration Number of Product being Formulated, if applicable:							
18c. A pesticide distributed under an Experimental Use Permit. Experimental Use Permit Number:							

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical					
Total Net Weight: 54,000 Kg						
18d. A Pesticide distributed for research and deve	lopment purposes without an Experime	ntal Use Permit.	-			
18e. A pesticide transferred solely for export. Dol						
18f. A pesticide distributed under an emergency e	xemption. Emergency Exemption Num	iber:				
☐ 18g. A pesticide transferred for the purposes of di	sposal.					
18h. Other. Provide an explanation including the i States in Block 19 Remarks.	ntended use and a description of why the	ne product is bei	ng impo	rted into the United		
19. Remarks. Provide additional information here. It is the NOA.	s recommended that a copy of the label	affixed to the pr	oduct be	e submitted with		
Container numbers: SEGU4495041 OOLU8440852 TCLU1465192						
	Certification					
I certify that the statements I made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.						
20. Printed Name of Importer of Record or Licensed Customs Broker  Vic Sweetwood		Telephone No.:	708-377	7-1365		
21. Signature of Importer of Record or Licensed Customs Broker:	nuesturon		Date:	March 2, 2015		
Part II: To Be Comp	oleted by U.S. Environmental Protecti	on Agency				
Action to be taken by U.S. Customs and Border Protect	tion:					
Release Shipment Detain for inspection Release shipment to consignee under bond. Shipment must be held intact pending inspection.						
☐Other. (Specify)						
Remarks:						
Signature and Title of EPA Official: Date: 3/4/15						
Part III: To Be Completed by U.S. Customs and Border Protection  The information shown in Part I was compared with the entry papers for this shipment and no discrepancies were noted. The shipment						
was handled as instructed by EPA in Part II. Any deviations should be brought to the attention of EPA before releasing the shipment and should be noted in "Remarks."						
Remarks:						
Signature of District Director of Customs:	-		Date:			

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

Page 2 of 4

## MECOPROP-P TECHNICAL

# FOR MANUFACTURING USE ONLY

9.5% 100.0%

## 

EPAREG. NO. 70596-7

## KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Slusted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle, (ifyou do not understand the label, find someone to explain it to you in detail.)

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposture, Call CHEMTREC (800) 424-8300 For Wedical Emergencies Only, Call (877) 328-4840

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANMALS DANGER / PELIGRO

Comosive. Causes freversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on dothing, Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated dothing and wash before re-use.

	HRSTAID	
	Hold eye open and thise slowly and gently with water for 15 to 20 minutes.	gently with water for 15 to 20
FINEYES	Cerrove contact kness, if present, after the first 5 minutes, then contains maint eve.	ater the first 5 minutes, then
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>	for treatment advice.
	Call a poison control center or doctor immediately for treatment	or immediately for treatment
ñ	advice.  Have percon do a class of water if able to swallow.	ble to swallow.
SWALLOWED	Do not induce vorniting unless told to do so by a polison control	to do so by a polson control
	center or doctor,	
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>	unconsdaus person.
FONSKIN	<ul> <li>Take off contaminated dothing.</li> </ul>	
ő	<ul> <li>Rinse skin immediately with pienty of water for 15 to 20 minutes.</li> </ul>	fwater for 15 to 20 minutes.
CLOTHING	<ul> <li>Call a polson control center or dodor for treatment advice.</li> </ul>	r for treatment advice.
	<ul> <li>Move person to fresh air.</li> </ul>	
FINHALED	<ul> <li>If person is not breathing, call 9/1 or an ambulance, then give artificial resolvation preferably mouth-to-mouth, if possible.</li> </ul>	or an ambulance, then give Hornouth, if possible.
	<ul> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>	r for fluither treatment advice.
	HOTLINENLINBER	
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		a a poison control center or

Have the product container or label with you when calling a poison control center or doctor or going for breatment. You may also contact 1-877-325-1840 for enrergency medical treatment information.

## NOTE TO PHYSICIAN

For eye infation, examination by an ophthalmologist may be indicated. If swallowed, probable miscosal damage may contraindicate the use of gastric lavage. Product contains a phenoxy herbicide chemical. There is no specific anticide.

## ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, poncis, estuaries, oceans, or public waters unless in accordance with the requirements of a National Poliurant Discharge Elimination System (NPDSS) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to severe systems without previously notifying the looks sewage breatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## PHYSICAL OR CHEMICAL HAZARDS This product is not compatible with strong oxidizers.

## **DIRECTIONS FOR USE**

It is a violation of Federal Lawko use this product in a manner inconsistent with its labeling.

Only for fermulation into a hetbicide for: 1) The following uses; nonfoot terrestrial, including residential kwins, sof fames, ornainental tunf, golf courses, parks and playgrounds, cernetery, and fights of way; 2) Uses for which USEPA has accepted the required data or detators of data that the formulator has submitted in support of regulate data or datators of data that the formulator has submitted in support of regulation; and 3) Uses for experimental pulposes that are in compliance with USEPA requirements.

This product may be used to formulate products for any additional uses not listed on the MP label if the formulator, user group, or grower has compiled with U.S. EPA submission requirements regarding support of such uses.

Only for formulation into end-products with directions for use that prohibit aerial application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0.75 is an MCPP-P/A. Only for formulation into end-products with directions for use that prohibit spod treatment applications greater than 1.2 is and MCPP-p/A.

Do not allow this chemical or dilutions of it to come into contact with sensitive onco plants, trees, or ennamentals.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store only in original container unless an emergency requires that a different container replaces a cannaged container. In such case, desiry prefer contents. Since in a secured warehouse, storage building or fence diorage yard, preferebly in a location that is coul and dry. Do not store in doce proximity to see of, fertilizers, insectides or fundacies, containers should be operate in well verifiated areas. Keep container sealed when not in use.

PESTICIDE DISPOSAL: Pesiblide vastes are acutely hazardous, improper disposal of excess pesicide, spray mixture or insate is a violation of Federial Law and may confaminate grundri Warfer. If these wastes carnot be disposed of by use according to back institutions, contact your State Pesitide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidence.

CONTAINER DISPOSAL: Nonrelitable container. Do not reuse or refli this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by Incineration, or, if allowed by state and loral authorities, by burning, if burned, stay, out of smoke.

## WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The dredions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE INVINISHED TO YOU ARE INVINISHED TO YOU ARE INVINISHED TO YOU WANTRANTIES, OR MANUFACTURER AND SELLER MAKE NO WARRANTIES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR REPRESENTATIONS OF ANY FAIND TO YOU OF MERCHANTABUITY, FITHESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT SOLD, INCLUDING BUT NOT LIMITED TO MERCHANTABUITY, FITHESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR ELIGIBLITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, OR USER'S EXCENT FOR BUTCHERS TO ALL BEFOR DAMAGES NOT EXCREDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of drections for use, the warranty declaimers, or limitations on flability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV030614)

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Manufactured For NUFARM AMERICAS INC SJM Division 4020 Aerial Center Parkway Morrisville, NC 27560



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

Mecoprop-p Technical

EPA Reg. No.:

70596-7

Product Type:

For Manufacturing Use Only - Herbicides

Company Name:

Nufarm Americas Inc. SJM Division

4020 Aerial Center Parkway Morrisville, NC 27560 1-800-345-3330

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

## 2. HAZARDS IDENTIFICATION

## PHYSICAL HAZARDS:

None known,

## **HEALTH HAZARDS:**

Serious eye damage/eye irritation

Category 1

Acute toxicity, oral

Category 4

## **ENVIRONMENTAL HAZARDS:**

Hazardous to aquatic environment, acute

Category 3

## SIGNAL WORD:

DANGER

## **HAZARD STATEMENTS:**

Causes serious eye damage. Harmful if swallowed. Harmful to aquatic life. May form combustible dust concentrations in air during processing.





## PRECAUTIONARY STATEMENTS

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves. Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor:

Dispose of contents in accordance with local, state, and federal regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTSCAS NO.% BY WEIGHTMecoprop-p Acid16484-77-890.0 - 98.04-chloro-2-methyl phenol (PCOC)1570-84-5< 1.0</td>Proprietary process impuritiesTrade SecretTrade Secret

Synonyms:

MCPP-p; (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get immediate medical attention.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If symptoms develop, get medical advice.

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If symptoms develop, get medical advice.

**Most important symptoms/effects:** Causes severe eye irritation and possible damage. Harmful if swallowed. If ingested or absorbed through the skin, may cause diarrhea, headache, nausea, and vomiting. Prolonged exposure may cause liver and kidney damage.

Indication of immediate medical attention and special treatment needed: Immediate medical attention is required for eye contact. For ingestion there is no specific antidote available. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Extinguishing Media: Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

**Unusual Fire and Explosion Hazards:** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. **Hazardous Decomposition Materials (Under Fire Conditions):** May produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Methods for Containment:** Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Cleanup and Disposal:** Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

**Other Information:** Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

### HANDLING:

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Do not get in eyes, on skin or on clothing. Avoid breathing dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### STORAGE:

Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, clearly label contents. Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in close proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## **Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

## Personal Protective Equipment:

Eye/Face Protection: To avoid contact with eyes, wear chemical goggles. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. Washing facilities should be readily accessible to the work area.

Respiratory Protection: Not normally required. If dust exceeds acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

## **Exposure Guidelines:**

	OSHA		ACGIH		
Component	TWA	STEL	TWA	STEL	Unit
Mecoprop-p Acid	NE	NE	NE	NE	
4-Chlor-2-methylphenol (PCOC)	NE	NE	NE	NE	
Proprietary process impurities	N/A	N/A	N/A	N/A	

NE = Not Established N/A= Not Applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Odor:

Odor threshold:

pH:

Melting point/freezing point:

Initial boiling point and boiling range

Flash point:

Evaporation rate:

Beige solid

Weak phenolic odor

No data available

2-3

178 - 198° F (81.5 - 92° C)

Not applicable

Not applicable

Not applicable

## Mecoprop-p Technical

## SAFETY DATA SHEET

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapor pressure: Vapor density: Relative density:

Solubility(ies):

Partition coefficient: n-octanol/water:

Autoignition temperature: Decomposition temperature:

Viscosity:

No data available

No data available

1.4 x 10<sup>-5</sup> torr @ 20 °C No data available

1.281 g/mL (tapped) 0.6 g/mL, dry uncompacted

Soluble (620 - 859 mg/L)

No data available No data available

No data

92° C

No data available

Note: Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

## 10. STABILITY AND REACTIVITY

Reactivity: This product is not normally reactive.

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Keep away from heat, sparks and open flame. Minimize dust generate and accumulation.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye and Skin contact.

Symptoms of Exposure: May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

**Delayed, immediate and chronic effects of exposure:** May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

Toxicological Data:

Data from laboratory studies conducted on MCPP-p Acid Technical:

Oral: Rat LD<sub>50</sub>: 775 mg/kg Dermal: Rat LD<sub>50</sub>: >2,000 mg/kg Inhalation: Rat 4-hr LC<sub>50</sub>: >5.6 mg/l

Eye Irritation: Rabbit: Severely irritating/corrosive

Skin Irritation: Rabbit: Slightly irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

Carcinogenicity / Chronic Health Effects: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a Class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, more current Mecoprop-p lifetime feeding study in mice, did not show carcinogenic potential.

Reproductive Toxicity: No impairment of reproductive function attributable to Mecoprop-p have been noted in laboratory animal studies.

Developmental Toxicity: Studies in laboratory animals with Mecoprop-p have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

Germ Cell Mutagenicity: MCPP-p is not mutagenic.

This product contains substances that are considered to be probable or suspected human carcinogens as follows:

	Regulatory Agency Listing As Carcinogen					
Component	ACGIH	IARC	NTP	OSHA		
Chlorophenoxy Herbicides	No	2B	No	No		
4-Chlor-2-methylphenol (PCOC)	No	No	No	No		

Proprietary process related impurities	No	No	No	No	
IARC Group 2B: Possibly carcinogenic to hum:	ane			•	

IARC Group 2B: Possibly carcinogenic to humans.

### 12. ECOLOGICAL INFORMATION

## **Environmental Hazards:**

Mecoprop-p is slightly to practically non-toxic to fish and aquatic invertebrates and moderately toxic to birds.

## **Ecotoxicity:**

Data on Mecoprop-p Acid: ...

48-hour LC<sub>50</sub> Daphnia:

96-hour LC50 Bluegill: 96-hour LC<sub>50</sub> Rainbow Trout:

>93 ma/l >93 mg/l >91 mg/l

Bobwhite Quail Oral LD50: Mailard Duck Oral LD50:

500 mg/kg 486 mg/kg

48-hour Honey Bee Contact LD<sub>50</sub>: >200 μg/bee

72-hour LC<sub>50</sub> Algae:

16.2 mg/L

## **Environmental Fate:**

Mecoprop-p acid is relatively immobile in most soils and has a half-life of several days in surface soils. The primary routes of dissipation appear to be photodegradation in water, microbial-mediated degradation, and leaching. Aqueous photolysis half-lives range from 4 to 7 days. In soil, mecoprop-p is microbially degraded with a typical half-life of approximately 11 to 15 days. Mecoprop-p acid is readily biodegradable in screening studies (81% in 10 days).

## 13. DISPOSAL CONSIDERATIONS

## Waste Disposal Method:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

## DOT:

Non Regulated

### IMDG:

Non Regulated

## IATA:

Non Regulated

## 15. REGULATORY INFORMATION

### **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## U.S. FEDERAL REGULATIONS

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

## Mecoprop-p Technical

## SAFETY DATA SHEET

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

**Immediate** 

Section 313 Toxic Chemical(s):

Mecoprop (93-65-2), 90.5% equivalent by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None given

RCRA Waste Code:

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed.

## 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 3 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

Date of Issue:

February 14, 2015

Supersedes:

October 1, 2014



## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## Notice of Arrival of Pesticides and Devices

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

	Part 1	: To Be Co	mpleted by Importer	of record or Licensed Customs	Broker		
1. Name and Complete	Address of	Licenced (	Customs Broker	2. Name and Complete Address of Importer of Record			
W F Whelan Co. 41425 Joy Road Canton, MI 48187 ACollin@WFWhelan.co	om			Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040			
Return Form to this	Address			Return to this Address			
3. Name and Complete	Address of	Shipper		4. EPA Registration Number 5. EPA Producer Establishment 1			
Nufarm Limited				70596-7	15440-GBR-001		
Wyke Lane Wyke Bradford			A CONTRACTOR OF THE CONTRACTOR	6. Brand Name of Product			
West Yorkshire England	d BD12 9 E	J	,	Mecoprop-P Technical			
7. Active Ingredients and Percentage of Each							
8. Unit Size	9. Quantity 10. Total Net Weight 11. Country of Origin						
55 lb bags	760 bags		41800 lbs	England			
12. Port of Entry				13. Name and Complete Address of Carrier			
3801 Detroit				OOCL Lines			
14. Entry Number		15. Antici	pated Entry Date				
037-0295215-5		2/20/2015					
17. Location of Goods	for Examina	ation after l	importation	16. I assert that information co	nstituting Confidential Business		
					ove blocks numbered: (Note: Blocks CBI treatment—see instructions.)		
Robinson Investments 333 Maple Street Marysville, OH 43040	·						
	18. [Optional] For pesticides without an EPA Registration No., select all that apply: (The following information may expedite the processing of the Notice of Arrival.)						
18a. A pesticide tra	18a. A pesticide transferred between registered establishments operated by the same producer. Domestic Producer Establishment						
Number:				The state of the s			
☐ 18b. A pesticide tra	nsferred be	etween reg	istered establishments	กั๋งt operated by the same produ	cer. Domestic Producer Establish-		
ment Number:							
18c. A pesticide distributed under an Experimental Use Permit. Experimental Use Permit Number:							

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical							
Total Net Weight: 41800 lbs	Entry Number: 037-0295215-5							
18d. A Pesticide distributed for research and development purposes without an Experimental Use Permit.								
18e. A pesticide transferred solely for export. Do	nestic Producer Establishment Number							
18f. A pesticide distributed under an emergency e	xemption. Emergency Exemption Num	ıber:						
18g. A pesticide transferred for the purposes of dis	sposal.							
18h. Other. Provide an explanation including the instance of States in Block 19 Remarks.	ntended use and a description of why the	ne product is bei	ng impo	rted into the United				
19. Remarks. Provide additional information here. It is the NOA.	recommended that a copy of the label	affixed to the pr	oduct be	submitted with				
		-		-				
Year of Manufacture - 2014								
I certify that the statements I made on this form and	Certification	rate and complet	e Lackn	owledge that any				
knowingly false or misleading statement n	nay be punishable by fine or imprisonm	ent or both unde	er applic	able law.				
20. Printed Name of Importer of Record or Licensed Customs Broker  Scarbrough Inter	national Ltd. / Dana Faville	Telephone No.:	816-584	1-2442				
21. Signature of Importer of Record or Licensed Customs Broker:	Gaville		Date:	2/12/2015				
Part II: To Be Comp	eleted by U.S. Environmental Protecti	on Agency						
Action to be taken by U.S. Customs and Border Protec	tion:							
IF ADALANCA Shipmant   130thin tarincoaction   1	Release shipment to consignee under bonspection.	ond. Shipment m	nust be h	eld intact pending				
Other. (Specify)								
Remarks:								
Signature and Title of EPA Official:	levencement of	ider_[	Date:	2-20-15				
	pleted by U.S. Customs and Border P							
The information shown in Part I was compared with was handled as instructed by EPA in Part II. Any devia	the entry papers for this shipment and ations should be brought to the attention should be noted in "Remarks."	no discrepancies on of EPA before	were no releasing	oted. The shipment g the shipment and				
Remarks:	,							
Signature of District Director of Customs:	· · · · · · · · · · · · · · · · · · ·	ſ	Date:					

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

## MECOPROP-P TECHNICAL

## FOR MANUFACTURING USE ONLY

EPA REG. NO. 70596-7

EPA EST. NO.15440-GBR-001

## KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Si usted no entiende la etiqueta, busque a algulen paira que se la explique a usted en detalle, (l'iyou do not'understand the labe), find sorrieone to explain it to you in detall.)

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY

STATEMENTS

## For Cherifical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800):424-9300 For Neucal Emergencies Oxly, Call (877):325-4840

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## DANGER / PELIGRO

Compsive: Causes irreversible eye damage. Hamful if svallowed, Inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with scap and water after handling. Remove contaminated dothing and wash before re-use.

	FIRST AID
	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20</li> </ul>
FINEYES	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then</li> </ul>
	continue rinsing eye.
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
	<ul> <li>Call a poison control center or doctor immediately for treatment</li> </ul>
	actrice
Ħ	<ul> <li>Have person sip a glass of water if able to swallow.</li> </ul>
SWALLOWED	<ul> <li>Do not induce vomiting unless told to do so by a poison control</li> </ul>
	center or doctor.
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
IF ON SKIN	<ul> <li>Take off contaminated clothing.</li> </ul>
£	<ul> <li>Rinse skin immediately with plenty of Water for 15 to 20 minutes.</li> </ul>
CLOTHING	<ul> <li>Call a poison control center or doctor for treatment achice.</li> </ul>
	<ul> <li>Move person to fresh air:</li> </ul>
	<ul> <li>If person is not breathing, call 911 or an ambulance, their give</li> </ul>
7 14724161	artificial respiration, preferably mouth-to-mouth, if possible,
	<ul> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
	HOT LINE NUMBER

## HOT LINE NUMBER

Have the product container or label with you when calling a poison control certier or doctor or going for treatment. You may also contact 1-977-325-1840 for emergency medical treatment information.

## NOTE TO PHYSICIAN

For eye initation, examination by an ophthalmologist may be indicated. If swallowed, probable mucosal damage may containd atte the use of gastric lavage. Product contains a phenoxy herholde chemical. There is no specific antidote.

## **ENVIRONMENTAL HAZARDS**

Do not discharge effluent containing this product into lakes, streams, portds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) and permitting authority has been notified in writing prior to discharge. Do not decharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA,

## PHYSICAL OR CHEMICAL HAZARDS

This product is not compatible with strong oxidizers.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Only for formulation into a herbidde for. 1) The following uses: nonfood terrestrial, including residential lawris, soci farms, charmental furf, golf, courses; parks and hights of way, 2) Uses for which USEPA has accepted the required data or citations of data that the formulator has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA requirements.

This product may be used to formulate products for any additional uses not listed on the MP label if the formulator, user group, or grower has compiled with U.S. EPA submission requirements regarding support of such uses.

Only for formulation into end-products with directions for use, that prohibit aerial application. Only for formulation into end-products with directions for use that prohibit binactosat applications greater than 0.75 to ac MCPP-p/A. Only for formulation into end-products with directions for use that prohibit spot treatment applications greater than 1.25 to see MCPP-p/A.

Do not allow this chemical or dilutions of it to come into contact with sensitive crop plants trees, or ornamentals.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, deathy label contents. Store in a secured warehouse, storage suiting or fenced storage participation in a cool and only. Do not got building or fenced storage participation in second and only. Do not got building or fenced storage participations, insecticides or fundicides. Containers should be opened in well verificates areas. Keep container sealed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or itinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instituctions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Wiaste representative at the nearest EPA Regional Office for guidance.

-CONTAINER DISPOSAL: Nonretilable container. Do not reuse or refill this container. Completely, empty, bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incheration; α, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## WARRANTY DISCLAIMER AND LIMITATION OF LIABIÂTY

The dredions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS: DELIVERED TO YOU ARE FURNISHED "AS: IS"BY MANUFACTURER OR SELLER AND (2) AMANUFACTURER; AND SELLER MAKE NO WARRANTIES, GLARANTIES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, ETHER EXPRESS OR MPUIED, OR BY USAGE OF TRADE, STATUTIONY OR OTHERWISE; WITH REGARD TO THE PRODUCT SOLD, NCILLDING, BUT NOT LIMITED TO MERCHANITABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR HEAGBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. TO THE EXCLUSIVE REMEDY, AND MANUFACTURERS OR SELLERS TOTAL LUBILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the winnerity disclaimiets, or limitations on liability, do not use the product, and return it unoperfied to the Seller, and the purchase price will be refunded.

(RV030614) 12006000

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Manufactured For NUFARM AMERICAS INC SJM DIVISION 4020 Aerial Center Parkway Morrisville, NC 27569 NUFATTI

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B003A USA G750A.NUF EPA 70596-7 25KG (RV030614)

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## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## Notice of Arrival of Pesticides and Devices

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

West.	Part 1	: To Be Co	mpleted by Importer	of record or Licensed Customs	Broker		
1. Name and Complete			ATT	2. Name and Complete Address of Importer of Record			
W F Whelan Co. 41425 Joy Road Canton, MI 48187 ACollin@WFWhelan.com				Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040			
Return Form to this	Address			Return to this Address			
3. Name and Complete	Address of	Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.		
Nufarm Limited				70596-7	15440-GBR-001		
Wyke Lane			,	6. Brand Name of Product			
Wyke Bradford West Yorkshire England BD12 9 EJ				Mecoprop-P Technical	·		
7. Active Ingredients a	nd Percenta	ge of Each					
8. Unit Size	9. Quantit	у	10. Total Net Weight	11. Country of Origin			
55 lb bags					England		
12. Port of Entry				13. Name and Complete Address of Carrier			
3801 Detroit							
14. Entry Number		15. Antici	pated Entry Date	OOCL Lines			
037-0295215-5		2/20/2015					
17. Location of Goods	for Examin	ation after	Importation	16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks			
Robinson Investments 333 Maple Street Marysville, OH 43040				4, 5, 6 and 7 are not entitled to CBI treatment—see instructions.)			
18. [Optional] For pesticides without an EPA Registration No., select all that apply: (The following information may expedite the processing of the Notice of Arrival.)							
18a. A pesticide tra	insferred be	tween reg	istered establishments	operated by the same producer.	Domestic Producer Establishment		
Number:				- John James			
	ansferred be	_			icer. Domestic Producer Establish-		
ment Number:	ment Number: EPA Registration Number of Product being Formulated, if applicable:						
☐ 18c. A pesticide distributed under an Experimental Use Permit. Experimental Use Permit Number:							

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical		<u> </u>					
Il Net Weight: 41800 lbs Entry Number: 037-0295215-5								
18d. A Pesticide distributed for research and development purposes without an Experimental Use Permit.								
18e. A pesticide transferred solely for export. Dor		~						
18f. A pesticide distributed under an emergency e			<u>, , , , , , , , , , , , , , , , , , , </u>					
18g. A pesticide transferred for the purposes of dis			,					
18h. Other. Provide an explanation including the in States in Block 19 Remarks.	ntended use and a description of why t	he product is bei	ing impo	orted into the United				
19. Remarks. Provide additional information here. It is the NOA.	recommended that a copy of the label	l affixed to the pi	roduct b	e submitted with				
Year of Manufacture - 2014		·						
	Certification	, ,						
I certify that the statements I made on this form and knowingly false or misleading statement m								
20. Printed Name of Importer of Record or Licensed Customs Broker	national Ltd. / Dana Faville	Telephone No.:	816-584	4-2442				
21. Signature of Importer of Record or Licensed Customs Broker:	Gaville		Date:	2/12/2015				
Part II: To Be Comp	leted by U.S. Environmental Protecti	on Agency						
Action to be taken by U.S. Customs and Border Protect								
:X:Release Shinmont   Florain for inspection	Release shipment to consignee under bo rspection.	ond. Shipment m	rust be h	ield intact pending				
Other. (Specify)			•					
Remarks:								
Signature and Title of EPA Official: When Dr. / ENF	ercener scriber	ľ	Date: $\angle$	? -20-15				
	pleted by U.S. Customs and Border P	rotection						
·								
Remarks:								
Signature of District Director of Customs:		Total Control	Date:					

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

## SALES TO SELIK

## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## **Notice of Arrival of Pesticides and Devices**

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

Note: kead instructions before completing form.						
	Part 1	: To Be Co	mpleted by Importer	of record or Licensed Customs	Broker	
1. Name and Complete	Address of	Licenced C	Customs Broker	2. Name and Complete Address of Importer of Record		
Expeditors International Attn: Brynn Wisz 849 Thomas Drive Bensenville, IL 60106 T:630-616-2318				Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-1330		
Return Form to this	Address			Return to this Address		
3. Name and Complete	Address of	Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm UK Limited	•••			70596-7	15440-GBR-001	
Wyke Lane Bradford,				6. Brand Name of Product	]	
West Yorkshire, United Kingdom				Mecoprop-P Technical		
7. Active Ingredients a	nd Percent	age of Each				
(+)-R-2-(2-methyl-4-ch	lorophenox	y) propioni	c acid 90.5%		·	
8. Unit Size	9. Quantif	у	10. Total Net Weight	11. Country of Origin		
25 Kg Bags	1,440 Bag	58	18,000 Kg	United Kingdom		
12. Port of Entry	1			13. Name and Complete Address of Carrier		
Chicago Illinois				OOCL (USA) Inc. Headquarters		
14. Entry Number		15. Antici	pated Entry Date	2633 Camino Ramon, Suite 400 (P.O. Box 5100)		
231-0204150-1		February	6, 2015	(P.O. Box 5100)   San Ramon, CA 94583   Dhone: (1) 025 258 OOCL (6625)		
17. Location of Goods	for Examin	ation after	Importation	16. I assert that information co	onstituting Confidential Business bove blocks numbered: (Note: Blocks	
Nufarm Americas, Inc. c/o Norbert Dentressangle Warehouse 21399 Torrence Ave. Sauk Village, IL 60411 P: 708-753-0396			/		o CBI treatment—see instructions.)	
18. [Optional] For pesti processing of the Notic			Registration No., select	all that apply: (The following inf	ormation may expedite the	
☐ 18a. A pesticide tra	nsferred be	etween reg	istered establishments	operated by the same producer	Domestic Producer Establishment	
Number:		-				
<u> </u>	ansferred b	_	<i>:</i>	,	ace Domestit Producer Establish-	
ment Number:	- 1	····	J	er of Product being Formulated,		
18c. A posticida distributad undar an Exparimental Usa Parmit - Exparimental Usa Permit Number						

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	Product Name: Mecoprop-P Technical			
EPA Registration Number: 70596-7				·
Total Net Weight: 18,000 Kg	Entry Number: 231-0204150-1	ant annual three with a second annual and a second annual and a second and a second and a second and a second		
18d. A Pesticide distributed for research and deve	lopment purposes without an Experimer	ntal Use Permit.		
18e. A pesticide transferred solely for export. Do	mestic Producer Establishment Number:			
 18f. A pesticide distributed under an emergency e	exemption. Emergency Exemption Num	ber:		
18g. A pesticide transferred for the purposes of di	sposal.	•		·
18h. Other. Provide an explanation including the States in Block 19 Remarks.				
19. Remarks. Provide additional information here. It the NOA.	is recommended that a copy of the label	affixed to the pro	duct be	submitted with
Container numbers: OOLU8352345				·
	Certification			
I certify that the statements I made on this form a knowingly false or misleading statement	nd all attachments thereto are true, accu	rate and complet nent or both unde	e. I ackno er applica	owledge that any able law.
20. Printed Name of Importer of Record or Licensed Customs Broker	d	Telephone No.:	708-377	-1365
21. Signature of Importer of Record or Licensed Customs Broker:	utto oo		Date:	January 22, 2015
Part II: To Be Con	npleted by U.S. Environmental Protect	ion Agency		
Action to be taken by U.S. Customs and Border Protection Care Control Care Care Care Care Care Care Care Care	ection:  Release shipment to consignee under binspection.	oond. Shipment n	nust be h	ield intact pending
Remarks:	A			
Signature and Title of EPA Official:	MM + MM  ompleted by U.S. Customs and Border	$\cap$	Date: /	128/15
The information shown in Part I was compared w was handled as instructed by EPA in Part II. Any de	ith the entry papers for this shipment and	d no discrepancie	es were n e releasir	oted. The shipment ng the shipment and
Remarks:				
Signature of District Director of Customs:			Date:	

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.



## MECOPROP-P TECHNICAL

ACTIVE INGREDIENT:

EPAREG. NO. 70596-7

EPA EST. NO.15440-GBR-001

## KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Si usted no enfende la etiqueta, busque a alguen para que se la explique a usted en detalle, (ffyou do not understand the label, find someone to explain it to you in detail.)

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Orly, Call (877) 325-4840

## PRECAUTIONARY STATEMENTS DANGER / PELIGRO HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Comosive. Causes ineversible eye damage. Harmful if swallowed, inhalled or absorbed through the skin. Do not get in eyes, on skin or on dothing. Avoid breathing clist. Wear goggies, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated dofning and wash before re-use.

	TIRST AND
	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20</li> </ul>
	minutes.
FINEYES	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, men</li> </ul>
	confine rinsing eye.
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
	<ul> <li>Call a poison control center or doctor immediately for treatment</li> </ul>
	advice.
ū	<ul> <li>Have person sip a glass of water if able to swallow.</li> </ul>
SWALLOWED	<ul> <li>Do not induce vorniting unless told to do so by a poison control</li> </ul>
	center or doctor.
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
E ON SKIN	Take off contaminated dothing.
5	<ul> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> </ul>
CLOTHING	Call a poison control center or doctor for treatment advice.
	Move person to fresh air.
	I herson is not breathing, call 911 or an ambulance, then give
FINALED	articial respiration, preferably mouth-to-mouth, if possible.
	<ul> <li>Call a poison control center or dodor for further treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or dector or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information. HOT LINE NUMBER

## NOTE TO PHYSICIAN

For eye inflation, examination by an ophthalmologist may be indicated. If swallowed, probable mucosal damage may contraindicate the use of gastric lavage. Product contains a phenoxy herbicide chemical. There is no specific antidole.

## FOR MANUFACTURING USE ONLY

## ENVIRONMENTAL HAZARDS

oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant Do not discharge effuent containing this product into lakes, streams, ponds, estuaries authority. For guidance contract your State Water Board or Regional Office of the EPA.

## PHYSICAL OR CHEMICAL HAZARDS This product is not compatible with strong oxidizens.

## DIRECTIONS FOR USE

t is a violation of Federal Law to use this product in a manner inconsistent with its

Only for formulation into a herbicide for: 1) The following uses: nonfood terrestrial, including residential lawns, sod farms, ornamental furf, golf courses, parks and platyorunts, cernetery, and rights of way, 2) Uses for which USEPA has accepted the required clata or citations of data that the farmulator has submitted in support of registration, and 3) Uses for experimental purposes that are in compilance with USEPA. requirements.

This product may be used to formulate products for any additional uses not listed on the MP label if the formulator, user group, or grower has compiled with U.S. EPA submission requirements regarding support of such uses.

Only for formulation into enchroducts with directions for use that prohibit aerial application. Only for formulation into enchroducts with directions for use that prohibit broadcast applications greater than 0.75 ib as MOPP-pA. Only for formulation into enchrondeds with directions for use that prohibit spot treatment applications greater than 1.2 products with directions for use that prohibit spot treatment applications greater than 1.2 ts ae MCPP-p/A

Do not allow this chemical or dilutions offit to come into contact with sensitive crop plants, trees, or contamentals.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

requires that a different container replace a damaged container. In such case, deaily label contents. Store in a secured warehouse, storage building or fenced storage yand, preferably in a location that is cool and dry. Do not store in close proximity to seeds, terilizers, insecticides or fungicides. Containers should be operaed in well vertilated. PESTICIDE STORAGE: Store only in original container unless an emergency

PESTICIDE DISPOSAL: Pestiolde wastes are acutely hazardous, improper disposal of excess pestiolde, spray mbutne or intents is a violation of Federal Law and may contaminate grund water. If these wastes cannot be disposed of by use according to table insulations, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonreliable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dspose of the empty bag in a sanitary landill or by inchreation, or, if allowed by state and local authorities, by burning, if fourned, stay cut of smoke.

## WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The directions for use of this product must be followed carefully, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED OR SELLER AND (2) ARE NOW MARRANTIES, CARRANTEES, OR REPRESENTATIONIS OF ANY KIND TO BUYER OR LUSER, EITHER EXPRESS OR REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO REGARD TO THE PRODUCT FOR ANY PARTICULAR FURROSE, USE, OR MERCHANTABLITY, FITHESS FOR A PARTICULAR TRADE USAGE. TO THE ELIGIBILITY OF AND MANUFACTURERS OR SELLERS TOTAL LIABILITY. BUT CONSISTENT WITH APPLICABLE LAW, BUYERS OR USER'S DICTAL LIABILITY. SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warrantly declarances, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV030614)

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Manufactured For NUFARM AMERICASINC SJM Division 4020 Aerlal Center Parkway Morrisville, NC 27560



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

Mecoprop-p Technical

EPA Reg. No.:

70596-7

Product Type:

For Manufacturing Use Only - Herbicides

Company Name:

Nufarm Americas Inc. SJM Division

4020 Aerial Center Parkway Morrisville, NC 27560

1-800-345-3330

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

## 2. HAZARDS IDENTIFICATION

## PHYSICAL HAZARDS:

May form combustible dust concentrations in air during processing.

## **HEALTH HAZARDS:**

Category 1 Serious eye damage/eye irritation Category 3 Acute toxicity, inhalation Category 4 Acute toxicity, oral Category 4 Acute toxicity, dermal Category 2 Specific target organ toxicity - Repeated exposure

## **ENVIRONMENTAL HAZARDS:**

Hazardous to aquatic environment, acute

Category 3

## SIGNAL WORD:

DANGER

## **HAZARD STATEMENTS:**

Causes serious eye damage. Toxic if inhaled. Harmful if swallowed or in contact with skin. May cause damage to organs (liver, kidneys) through prolonged or repeated exposure Harmful to aquatic life.





## PRECAUTIONARY STATEMENTS

Causes serious eye damage. Wear chemical goggles or shielded safety glasses.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center or doctor for treatment advice.

Avoid breathing dust. Use only outdoors or in a well-ventilated area. If inhaled: remove person to fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Harmful if swallowed. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. If swallowed, call a poison control center or doctor if you feel unwell. Rinse mouth

To avoid contact with skin, wear long pants, long-sleeved shirt, shoes plus socks, and chemical-resistant gloves. If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. Take off contaminated clothing and wash it before reuse.

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Do not breathe dust/fume/gas/mist/vapors/spray. Get medical advice/attention if you feel unwell.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS

CAS NO.

% BY WEIGHT

Mecoprop-p Acid

16484-77-8

90.5 9.5

Other Ingredients

Synonyms:

MCPP-p; (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid

## 4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Note to Physician: For eye irritation, examination by an ophthalmologist may be indicated. If swallowed, probable mucosal damage may contraindicate the use of gastric lavage. Product contains a phenoxy herbicide chemical. There is no specific antidote.

## 5. FIRE FIGHTING MEASURES

Extinguishing Media: Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

**Unusual Fire and Explosion Hazards:** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. **Hazardous Decomposition Materials (Under Fire Conditions):** May produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Methods for Cleanup and Disposal: Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Other Information: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

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## 7. HANDLING AND STORAGE

## HANDLING:

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Do not get in eyes, on skin or on clothing. Avoid contact with skin. Avoid breathing dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## STORAGE:

Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, clearly label contents. Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in close proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** 

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Personal Protective Equipment:

Eye/Face Protection: To avoid contact with eyes, wear face shield or goggles. An emergency eyewash or water supply should be readily accessible to the work area.

Skin Protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemicalresistant gloves. An emergency shower or water supply should be readily accessible to the work area.

Respiratory Protection: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

### Exposure Guidelines:

	os	UЛ	AC	GIH	
Component	TWA	STEL	TWA	STEL	Unit
Meconron-n Acid	NE	NE	NE	NE	

NE = Not Established

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Beige solid

Odor:

Weak phenolic odor

Odor threshold:

No data available

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Melting point/freezing point:

199 - 208° F (93 - 98° C)

Initial boiling point and boiling range Flash point:

Not applicable Not applicable

Evaporation rate:

Not applicable

Flammability (solid, gas):

No data available

Upper/lower flammability or explosive limits:

No data available

Vapor pressure: Vapor density:

1.4 x 10<sup>-3</sup> Pascals @ 25 °C No data available

Relative density:

784 g/L (tapped)

Solubility(ies):

Soluble

Partition coefficient: n-octanol/water:

No data available No data available

Autoignition temperature: Decomposition temperature:

No data available

Viscosity:

No data available

Note: Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

## 10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Keep away from heat, sparks and open flame. Minimize dust generate and accumulation.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

Hazardous Reactions: Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Likely Routes of Exposure: Inhalation, eye and skin contact.

Eye Contact: May cause irritation and redness. Eyes may water profusely.

Skin Contact: No symptoms

Ingestion: Harmful if swallowed. May cause nausea, vomiting, abdominal pain, decreased blood pressure,

muscle weakness, muscle spasms.

Inhalation: Low inhalation toxicity based on toxicity studies. May cause symptoms similar to those from ingestion. Medical Conditions Aggravated by Exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

Toxicological Data:

Data from laboratory studies conducted on MCPP-p Acid Technical:

Oral: Rat LD<sub>50</sub>: 775 mg/kg Dermal: Rat LD<sub>50</sub>: >2,000 mg/kg Inhalation: Rat 4-hr LC<sub>50</sub>: >0.87 mg/l

Eve Irritation: Rabbit: Severely irritating/corrosive

Skin Irritation: Rabbit: Slightly irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

Carcinogenicity / Chronic Health Effects: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a Class 2B carcinogen, the category for limited evidence for

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## Mecoprop-p Technical

carcinogenicity in humans. However, more current Mecoprop-p lifetime feeding study in mice, did not show carcinogenic potential.

Reproductive Toxicity: No impairment of reproductive function attributable to Mecoprop-p have been noted in laboratory animal studies.

Developmental Toxicity: Studies in laboratory animals with Mecoprop-p have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

Germ Cell Mutagenicity: There have been some positive and some negative studies, but the weight of evidence is that MCPP-p is not mutagenic.

**Assessment Carcinogenicity:** 

This product contains substances that are considered to be probable or suspected human carcinogens as follows:

	Reg	gulatory Agend	cy Listing As C	arcinogen
Component	ACGIH	IARC	NTP	OSHA
Chlorophenoxy Herbicides	No	2B	No	No

## 12. ECOLOGICAL INFORMATION

## **Environmental Hazards:**

Mecoprop-p is slightly to practically non-toxic to fish and aquatic invertebrates and moderately toxic to birds.

## **Ecotoxicity:**

Data on Mecoprop-p Acid:

96-hour LC50 Bluegill:

>93 mg/l

Bobwhite Quail Oral LD50:

500 mg/kg

96-hour LC<sub>50</sub> Rainbow Trout: 48-hour LC<sub>50</sub> Daphnia:

>93 mg/l >91 mg/l Mallard Duck Oral LD<sub>50</sub>: 48-hour Honey Bee Contact LD<sub>50</sub>: >200 μg/bee

486 mg/kg

Environmental Fate:

Mecoprop-p acid is relatively immobile in most soils and has a half-life of several days in surface soils. The primary routes of dissipation appear to be photodegradation in water, microbial-mediated degradation, and leaching. Aqueous photolysis half-lives range from 4 to 7 days. In soil, mecoprop-p is microbially degraded with a typical half-life of approximately 11 to 15 days.

## 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

DOT:

Non Regulated

Non Regulated

IATA:

Non Regulated

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## 15. REGULATORY INFORMATION

## **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## U.S. FEDERAL REGULATIONS

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

Immediate and Delayed

Section 313 Toxic Chemical(s):

Mecoprop (CAS No. 93-5-2) - equivalent to 90.5% by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None

**RCRA Waste Code:** 

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed.

## 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 3 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

Date of Issue:

October 1, 2014

Supersedes:

April 12, 2013



## **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

## **ENVIRONMENTAL PROTECTION AGENCY**

## Washington, DC 20460

## **Notice of Arrival of Pesticides and Devices**

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

	Part 1	: To Be Co	mpleted by Importer	of record or Licensed Customs I	Broker ~	
1. Name and Complete Address of Licenced Customs Broker				2. Name and Complete Address of Importer of Record		
W F Whelan Co. 41425 Joy Road Canton, MI 48187 ACollin@WFWhelan.co	om			Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040		
Return Form to this	Address			Return to this Address		
3. Name and Complete	Address of	Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm Limited Wyke Lane				70596-7	15440-GBR-001	
Wyke Bradford				6. Brand Name of Product		
West Yorkshire Englan	d BD12 9 E	J		Mecoprop-P Technical		
7. Active Ingredients a	nd Percenta	ge of Each				
8. Unit Size	9. Quantit	у	10. Total Net Weight	11. Country of Origin		
55 lb bags	760 bags	111111111111111111111111111111111111111	41800 lbs	England		
12. Port of Entry				13. Name and Complete Addre	ss of Carrier	
3801 Detroit				OOCL Lines		
14. Entry Number		15. Antici	pated Entry Date			
037-0294876-5		February	3, 2015			
17. Location of Goods	for Examina	ation after	Importation	16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks		
Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040				4, 5, 6 and 7 are not entitled to CBI treatment—see instructions.)		
18. [Optional] For pesticides without an EPA Registration No., select all that apply: (The following information may expedite the processing of the Notice of Arrival.)						
18a. A pesticide tra	insferred be	tween reg	istered establishments	operated by the same producer.	Domestic Producer Establishment	
Number:						
18b. A pesticide tra	ansferred be	etween reg	istered establishments	not operated by the same produ	cer, Domestic Producer Establish-	
ment Number:			EPA Registration Numb	er of Product being Formulated, i	fapplicable:	
18c. A pesticide di	stributed ur	nder an Exp	perimental Use Permit.	Experimental Use Permit Numbe	r:	

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EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical			
Total Net Weight: 41800 lbs	Entry Number: 037-0294876-5			
☐ 18d. A Pesticide distributed for research and deve	lopment purposes without an Experime	ntal Use Permit.	1	
18e. A pesticide transferred solely for export. Do	· · · · · · · · · · · · · · · · · · ·			
☐ 18f. A pesticide distributed under an emergency of				
18g. A pesticide transferred for the purposes of di				
18h. Other. Provide an explanation including the States in Block 19 Remarks.		ne product is bein	g impoi	ted into the United
19. Remarks. Provide additional information here. It the NOA.	s recommended that a copy of the label	affixed to the pro	duct be	submitted with
	*			THE PERSON NAMED IN COLUMN 1
Year of Manufacture - 2014				
				THE STATE OF THE S
	Certification			
I certify that the statements I made on this form as knowingly false or misleading statement	nd all attachments thereto are true, accu may be punishable by fine or imprisonm	rate and complet nent or both unde	e. I ackn er applic	owledge that any able law.
20. Printed Name of Importer of Record or Licensed Customs Broker Scarbrough Int	ernational Ltd. / Dana Faville	Telephone No.:	816-584	1-2442
21. Signature of Importer of Record or Licensed Customs Broker:				January 23, 2015
Part II: To Be Com	pleted by U.S. Environmental Protect	ion Agency		
Action to be taken by U.S. Customs and Border Prote	ection:			
Release Shipment Detain for inspection	Release shipment to consignee under b inspection.	oond. Shipment m	nust be l	neld intact pending
Other. (Specify)				
Remarks:				
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Signature and Title of EPA Official:	nent Office		Date:	1/28/15
· · · · · · · · · · · · · · · · · · ·	ompleted by U.S. Custom's and Border			<u> </u>
The information shown in Part I was compared wi was handled as instructed by EPA in Part II. Any de	th the entry papers for this shipment and viations should be brought to the attent should be noted in "Remarks."	I no discrepancie: ion of EPA before	s were r : releasir	oted. The shipment ng the shipment and
Remarks:				
Signature of District Director of Customs:			Date:	

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

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# MECOPROP-P TECHNICAL

# FOR MANUFACTURING USE ONLY

### 

EPAREG. NO. 70596-7

EPA EST. NO:15440-CBR-001

95% 100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Stusted no entende la citquieta, tusqu'e a alguien pará que se la rexplique a usted en detalle; (flyou do notunderstand the label, find someone to explain it to you in detall).

SEE BELOW FOR FIRST AID, AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMITREC (800) 424-9300-For Wedical Emergencies Orly, Call (877) 325-4840

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANNIMALS DANGER / PELIGRO

Comosive. Causes ineversible eye damage, Hammini if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on dothing. Avoid breathing dust, Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated dothing and wash before re-use.

	FIRSTAID
	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> </ul>
FINEYES	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then continue insing eve.</li> </ul>
	Call a poison control center or dodor for treatment advice.
	Call a poison control center or doctor immediately for treatment
<u>u.</u>	<ul> <li>advice.</li> <li>Have person sip a glass of water if abje to swallow.</li> </ul>
SWALLOWED	Do not induce vorniting unless told to do so by a poison control center or doctor.
	<ul> <li>Do not give anything by mouth to an unconscious person;</li> </ul>
F ON SKIN	<ul> <li>Take off contaminated dothing.</li> </ul>
8	<ul> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> </ul>
CLOTHING	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
	Move person to fresh air:
FINHALED	<ul> <li>If person is not breathing, call \$11 or an ambulance, then give additional personal professible more properties.</li> </ul>
	Call a poison control center or doctor for further treatment advice.
	HOTLINE NUMBER
	the constitution of the co

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-3225-1840 for reinergency medical treatment information.

### NOTE TO PHYSICIAN

For eye inflation, examination by an ophthalmologist may be indicated. If swallowed, probable, mucosal damage may contraind cate the use of gashic lavage. Product contains a phenoxy herbidic chemical. There is no specific anticlote.

## ENVIRONMENTAL HAZARDS

Do not discharge-effluent containing this product into lakes, streams, poinds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Effinination System (NPDES) perint, and the perintialing authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to seves systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS
This product is not compatible with strong dydizers.

## DIRECTIONS FOR USE

ttis a violation of Federal Law to use this product in a manner inconsistent with its abeliand.

Only for fortulation into a herbidde for 1) The riblowing uses nontood terrestial, including residential lawris, soci fartise, oriannental turi, golf courses, parks and playgrounds, cernetery, and rights of way, 2) Uses for which USEPA has accepted the required data or distons of data that the formulator has submitted in support of regulariding and 3) Uses for experimental purposes that are in compliance with USEPA requirements.

This product may be used to formulate products for any additional uses not listed on the MP label. if the formulation, user group, or grower has compiled with U.S. EPA submission requirements regarding support of such uses.

Only for formulation into end-products with directions for use, that prohibit serial application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0.75 to as MCPP-pA. Only for formulation into endirectors with directions for use that prohibit spot treatment applications greater than 1.2 includes with directions for use that prohibit spot treatment applications greater than 1.2 includes a MCPP-pA.

Do not allow this chemical or diutions of it to come into contact with sensitive crop plants, trees, or omamentals.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE. Store only in. criginal container unless an emergency requires that a different container replace a damaged container. In such case, deanly label contents, Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in dose prowinity to seets, fertilizers, insceldides or fundides, Containers should be opened in well vertilated areas. Keep container sealed when not in use.

PESTICIDE DISPOSAL: Pesticite wastes are acutely hazarobus, triproper disposal of excess pesticide, spray mixture or tinsale is a violation of Federal Law and may contaminate grunt water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Enviroimental Control Agency, or the Hazardous Waste retrieve at the nearest EPA Regional Office for guidance.

container disposal, Norrelliable container, Do not reuse or refil this container, completely, emply, bag, into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landill or by incheration; or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The dredions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH-APPLICABLE LAW, (1) THE GOODS DELIVERED TO: YOU ARE INTRUSHED WAS 1879Y MANUFACTURER OR SELLER AND (2) ARE PRINGHED WARRANTES, OLD SELLER MAKE NO VARRANTES, OLD SELLER MAKE NO VARRANTES, OR SPRESS OR REPRESSIVATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR MPILED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGNANTABUILTY FITNESS FOR A PARTICULAR PURPOSE, USE, OR REGNED TO THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR EXCILENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURERS OR SELLERS TOTAL LABILITY SHALL BE FOR DAMAGES NOT EXCREDING THE OSS TOFF THE PRODUCT.

If you do not agree with or do not accept any of dreations for use, the warranty decisioners, or irritations on liability, do not use the product, and return it unopened to the Seller, and the purchase price-will be refunded.

(RV030614) 12006000

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Manufactured For NUFARM AMERICAS INC SJM DIMSION 4020 Aerial Center Parkway Morrisville, NC 27560



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)

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### **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

### **ENVIRONMENTAL PROTECTION AGENCY**

### Washington, DC 20460

### **Notice of Arrival of Pesticides and Devices**

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

	Part 1	: To Be Co	mpleted by Importer	of	record or Licensed Customs	Broker	
1. Name and Complete Address of Licenced Customs Broker			2	2. Name and Complete Address of Importer of Record			
W F Whelan Co. 41425 Joy Road Canton, MI 48187 ACollin@WFWhelan.com				Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040			
Return Form to this	Address			E	Return to this Address		
3. Name and Complete	Address of	Shipper		4	4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm Limited		, , , , , , , , , , , , , , , , , , , ,			70596-7	15440-GBR-001	
Wyke Lane					6. Brand Name of Product		
Wyke Bradford West Yorkshire Englan	d BD12 9 E	J			Mecoprop-P Technical		
7. Active Ingredients and Percentage of Each							
8. Unit Size	9. Quantit	у	10. Total Net Weight	ght 11. Country of Origin			
55 lb bags	55 lb bags			England			
12. Port of Entry		·		_ ,	13. Name and Complete Address of Carrier		
3801 Detroit							
14. Entry Number		15. Antici	pated Entry Date		OOCL Lines		
037-0294876-5		February	3, 2015	1			
17. Location of Goods	for Examina	ation after	Importation			enstituting Confidential Business pove blocks numbered: (Note: Blocks	
Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040					CBI treatment—see instructions.)		
18. [Optional] For pesticides without an EPA Registration No., select all that apply: (The following information may expedite the processing of the Notice of Arrival.)							
18a. A pesticide tra	insferred be	etween reg	istered establishments	oŗ	perated by the same producer.	Domestic Producer Establishment	
Number:							
18b. A pesticide tra	ansferred be	etween reg	istered establishments	n	ot operated by the same produ	icer. Domestic Producer Establish-	
ment Number:			-		of Product being Formulated,		
18c. A pesticide di	stributed ur	nder an Exp	perimental Use Permit.	E	xperimental Use Permit Numbe	er:	

.

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical					
otal Net Weight: 41800 lbs - Entry Number: 037-0294876-5						
18d. A Pesticide distributed for research and deve	lopment purposes without an Experime	ntal Use Permit.				
18e. A pesticide transferred solely for export. Do	mestic Producer Establishment Number:					
18f. A pesticide distributed under an emergency e	exemption. Emergency Exemption Num	ber:				
18g. A pesticide transferred for the purposes of di	sposal.					
18h. Other. Provide an explanation including the States in Block 19 Remarks.	intended use and a description of why th	ne product is beir	ng imported into the United			
19. Remarks. Provide additional information here. It i the NOA.	is recommended that a copy of the label	affixed to the pro	oduct be submitted with			
Year of Manufacture - 2014						
	Certification					
l certify that the statements I made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.						
20. Printed Name of Importer of Record or Licensed Customs Broker  Scarbrough International Ltd. / Dana Faville  Telephone No.: 816-584-2442						
21. Signature of Importer of Record Date: January 23, 2015 or Licensed Customs Broker:						
Part II: To Be Com	pleted by U.S. Environmental Protect	ion Agency				
Action to be taken by U.S. Customs and Border Protection:  Release Shipment Detain for inspection inspection inspection  Other. (Specify)						
Remarks:						
Signature and Title of EPA Official:			Date:			
Part III: To Be Completed by U.S. Customs and Border Protection						
The information shown in Part I was compared with the entry papers for this shipment and no discrepancies were noted. The shipment was handled as instructed by EPA in Part II. Any deviations should be brought to the attention of EPA before releasing the shipment and should be noted in "Remarks."						
Remarks:						
Signature of District Director of Customs:			Date:			

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

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### **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

### **ENVIRONMENTAL PROTECTION AGENCY**

### Washington, DC 20460

### **Notice of Arrival of Pesticides and Devices**

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Note: Read Instructions before completing form.

Part 1: To Be Completed by Importer of record or Licensed Customs Broker						
1. Name and Complete	Address of	Licenced (	Customs Broker	2. Name and Complete Address of Importer of Record		
W F Whelan Co. 41425 Joy Road Canton, MI 48187 ACollin@WFWhelan.com				Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040		
Return Form to this	Address			Return to this Address		
3. Name and Complete	Address of	Shipper		4. EPA Registration Number 5. EPA Producer Establishment N		
Nufarm Limited				70596-7	15440-GBR-001	
Wyke Lane				6. Brand Name of Product		
Wyke Bradford West Yorkshire England	d BD12 9 E	J <sup>'</sup>	;	Mecoprop-P Technical		
7. Active Ingredients ar	7. Active Ingredients and Percentage of Each					
8. Unit Size	9. Quantit	У	10. Total Net Weight	ght 11. Country of Origin		
55 lb bags	55 lb bags 41800 lbs England				**************************************	
12. Port of Entry				13. Name and Complete Addr	ess of Carrier ·	
3801 Detroit						
14. Entry Number		15. Antici	pated Entry Date	OOCL Lines		
037-0294819-5		January 3	0, 2015			
17. Location of Goods	for Examin	ation after	Importation	Information is shown in the al	onstituting Confidential Business oove blocks numbered: (Note: Blocks	
Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040					Control of the contro	
18. [Optional] For pesticides without an EPA Registration No., select all that apply: (The following information may expedite the processing of the Notice of Arrival.)						
18a. A pesticide tra	nsferred be	etween reg	istered establishments	operated by the same producer.	Domestic Producer Establishment	
Number:						
<b>-</b>	nsferred b	•		, vr <sup>i.</sup>	ucer. Domestic Producer Establish-	
ment Number:	·			er of Product being Formulated,		
18c. A pesticide distributed under an Experimental Use Permit. Experimental Use Permit Windber:						

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical					
Fotal Net Weight: 41800 lbs	Entry Number: 037-0294819-5					
18d. A Pesticide distributed for research and c	levelopment purposes without an Experime	ntal Use Permit.				
18e. A pesticide transferred solely for export.						
18f. A pesticide distributed under an emerger						
18g. A pesticide transferred for the purposes						
18h. Other. Provide an explanation including States in Block 19 Remarks.		ne product is bein	g imported into the United			
19. Remarks. Provide additional information here. It is recommended that a copy of the label affixed to the product be submitted with the NOA.						
			t to perform the to the total of the total o			
Year of Manufacture - 2014						
	Certification					
I certify that the statements I made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.						
20. Printed Name of Importer of Record or Licensed Customs Broker	h International Ltd. / Dana Faville	Telephone No.:	816-584-2442			
21. Signature of Importer of Record or Licensed Customs Broker:  Date: January 23, 2015						
Part II: To Be	Completed by U.S. Environmental Protect	ion Agency				
Action to be taken by U.S. Customs and Border F	Protection:					
Belease Shipment Detain for inspection	$\square$ Release shipment to consignee under binspection.	oond. Shipment m	nust be held intact pending			
Other. (Specify)						
Remarks:						
11	4 - / 4	/				
Signature and Title of EPA Official:	Incoment Offe	$\mathcal{L} \cap \square$	Date: 1/28/15			
Part III: To Be Completed by U.S. Customs and Border Protection						
The information shown in Part I was compared with the entry papers for this shipment and no discrepancies were noted. The shipment was handled as instructed by EPA in Part II. Any deviations should be brought to the attention of EPA before releasing the shipment and should be noted in "Remarks."						
Remarks:						
Signature of District Director of Customs:			Date:			
1						

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

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# MECOPROP-P TECHNICAL

90.5% 9.5% 100.0% (+)-R-2-(2-metry/4-chlorophenoxy) proplanic add. OTHER INGREDIENTS:..... TOTAL: ACTIVE INGREDIENT:

EPAREC NO. 70596-7

EPA EST. NO.15440-GBR-00"

### KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Si usted no entende la etitudeta; busque a alguien para que se la explique a usted en detalle, (ffycu do not understand the label, find someone to explain it to you in detall).

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS.

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMITREC (800),424-9300 For West cal Emergencies Orty, Call (877) 325-4840

### PRECAUTIONARY STATEMENTS DANGER / PELIGRO HAZARDS TO HUMANS AND DONESTIC ANIMALS

Compaive. Causes irreversible eye darnage, Harimtil if swaltowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on defining. Avoid breathing dust West, goggles, face shield or safety glasses. West thoroughly with scap and water after handling. Remove contaminated detining and wash before re-use.

	FIRSTAID
	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> </ul>
FINEYES	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then</li> </ul>
	confinue mising eye.
	<ul> <li>Call a poison control center or dodor for treatment advice.</li> </ul>
	<ul> <li>Call a poison control center or doctor immediately for treatment</li> </ul>
	achice.
ĬĪ.	<ul> <li>Have person sip a glass of water if able to swallow.</li> </ul>
SWALLOWED	<ul> <li>Do not induce vorniting unless told to do so by a poison control</li> </ul>
	center or dodor.
	<ul> <li>Do not give anything by fributh to an unconscious person.</li> </ul>
FONSKIN	Take off containinated dothing.
8	<ul> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> </ul>
CLOTHING	<ul> <li>Call a poison control center of doctor for treatment advice.</li> </ul>
	<ul> <li>Move person to fresh air.</li> </ul>
1	<ul> <li>If person is not breathing, call 911 or an ambulance, then give</li> </ul>
FINEE	artificial respiration, preferably mouth-to-mouth, if possible,
	<ul> <li>Call a poison control center or dodor for further treatment advice.</li> </ul>
	LOTE NEW WEED

HOT LINE NUMBER

Have the product container or label with you when calling a point of center or declar or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

### NOTE TO PHYSICIAN

For eye inflation, examination by an ophthalmologist may be indicated. If swallowed, probable, muocsal damage may contraind cate the use of gastric lavage. Product contains a phenoxy herbicide chemical. There is no specific anticlote.

# FOR MANUFACTURING USE ONLY

### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into takes; streams, ponds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollutant, Discharge Elimination System (NPDES) peimit and the permitting authority. has been notified in writing prior to discharge. Do not discharge effluent containing this product to sever systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA,

PHYSICAL OR CHEMICAL HAZARDS This product is not compatible with strong oxidizers.

## DIRECTIONS FOR USE

It is a violation of Federal Lawto use this product in a manner inconsistent with its abeling, Chiy for formulation into a herbidde for: 1) The following uses: nonfood terrestrial, including residential lawns, sood farms, ornamental turf, golf courses, parks and playgounds, centellar, and digitals frivary. 2) Uses for which USEPA has accepted the required digit or calations of data that the formulation has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA. equirements. This product may be used to formulate products for any additional uses not listed on the MP label if the formulator, user group, or grower has, compiled, with U.S. EPA submission requirements regarding support of such uses.

Only for formulation into end-products with directions for use. that prohibit aerial application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0.75 to as MOPP-p/A. Only for formulation into end-products with directions greater than 1.2. bs ae MCPP-p/A.

Do not allow this chemical or distings of it to corne into contact with sensitive crop plants, trees, or ornamentals.

## STORAGE AND DISPOSAI

Do not contaminate water, food or feed by storage or disposal.

requires that a different container replace a damaged container. In such case, dearly label contents, Store in a secured warehouse, storiate building or fenced storage yard, prefacibly in a location that is sool and day. Do not store in dose proximity to seeck, fertilizers, insectidotes or fungidetes, Containers should be opened in well verifiated areas. Keep container sealed when not in use. PESTICIDE STORAGE Store only in original container unless an emergency

PESTICIDE DISPOSAL: Pesticite wastes are acutely hazardbus, lrriproper disposal of excess pesticide, spray mixture or threate is a violation of Federal Law and may contaminate gound water. (Hease wastes cannot be disposed of by use according to label instructions, contactyour. State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

container Disposal. Nonrelitable container, Do not reuse or refit this container. Completely, empty bag into the formulation equipment. Then, offer for recycling if available or dispose of the empty bag in a sanilary landill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The directions for use of this produit must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GCODS DELIVERED TO YOU ARE HONISHED TO YOU ARE HONISHED TO YOU WAN USECULTER OF OR SELLER AND (2) MANUFACTURER AND SELLER WAKE NO WARRANTIES, CALARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, ETHER EXPRESS OR MEDIED, OR BY LISAGE OF TRADE, STATUTIORY OR OTHERWINGS, WITH RECHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, USE, OR EXCILISIVE REMEDY, AND WANUFACTURERS OR SELLERS TOTAL LIABILITY SHALL BE FOR DAMAGES, NOT EXCREDING THE ORSTORY LIABILITY SHALL BE FOR DAMAGES, NOT EXCREDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of dreations for use, the warranty declarmers, or limitations on Lability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV030614) 12006000

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Mahufaqtured For NUFARM AMERICASINC Morrisville, NC 27560 SJM Division 4020 Aerial Center Parkway



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)



### **United States**

OMB Control No. 2070-0020 Expires\_on 11/30/2016

### **ENVIRONMENTAL PROTECTION AGENCY**

### Washington, DC 20460

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Note: Read Instructions before completing form.

Part 1: To Be Completed by Importer of record or Licensed Customs Broker						
1. Name and Complete	•			Name and Complete Address of Importer of Record		
W F Whelan Co. 41425 Joy Road				Robinson Investments Ltd.  333 Maple Street  Marysville, OH 43040		
🗴 Return Form to this	Address			Return to this Address		
3. Name and Complete	Address of	Shipper		4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm Limited	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			70596-7	15440-GBR-001	
Wyke Lane				6. Brand Name of Product		
Wyke Bradford West Yorkshire Englan	d BD12 9 E	J		Mecoprop-P Technical		
7. Active Ingredients and Percentage of Each						
8. Unit Size	8. Unit Size 9. Quantity 10. Total Net Weight 1					
55 lb bags	760 bags	THE PARTY OF THE P	41800 lbs	England		
12. Port of Entry				13. Name and Complete Address of Carrier		
3801 Detroit						
14. Entry Number		15. Antici	pated Entry Date	OOCL Lines		
037-0294819-5		January 3	0, 2015			
17. Location of Goods for Examination after Importation			Importation	16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks		
Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040				4, 5, 6 and 7 are not entitled to	o CBI treatmentsee instructions.)	
1	18. [Optional] For pesticides without an EPA Registration No., select all that apply: (The following information may expedite the processing of the Notice of Arrival.)					
18a. A pesticide tra	insferred be	etween reg	istered establishments	operated by the same producer.	Domestic Producer Establishment	
Number:						
_	ansferred b	_			ucer. Domestic Producer Establish-	
ment Number:			-	er of Product being Formulated,	**************************************	
I 18c A pesticide di	stributed ur	nder an Ext	perimental Use Permit.	Experimental Use Permit Number	er:	

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EPA Registration Number: 70596-7	Product Name: Mecoprop-P Tech	nnical	
Fotal Net Weight: 41800 lbs	Entry Number: 037-0294819-5		
18d. A Pesticide distributed for research a	and development purposes without an Exp	perimental Use Permit.	
18e. A pesticide transferred solely for exp			
18f. A pesticide distributed under an eme			
18g. A pesticide transferred for the purpo			
	ling the intended use and a description of	why the product is bei	ng imported into the United
19. Remarks. Provide additional information the NOA.	here. It is recommended that a copy of the	e label affixed to the pr	oduct be submitted with
Year of Manufacture - 2014			
I certify that the statements I made on thi knowingly false or misleading st	<b>Certification</b> s form and all attachments thereto are true atement may be punishable by fine or imp	e, accurate and comple risonment or both und	te. I acknowledge that any er applicable law.
20. Printed Name of Importer of Record or Licensed Customs Broker Scarbr	ough International Ltd. / Dana Faville	Telephone No.:	816-584-2442
21. Signature of Importer of Record or Licensed Customs Broker:	Dara Gaville		Date: January 23, 2015
Part II: To	Be Completed by U.S. Environmental P	rotection Agency\	
Action to be taken by U.S. Customs and Born Release Shipment Detain for inspection of the Company of the Compan	Release shipment to consignee u	under bond. Shipment r	nust be held intact pending
Remarks:		9	
Signature and Title of EPA Official:			Date:
Part III:	To Be Completed by U.S. Customs and B	order Protection	
The information shown in Part I was comp was handled as instructed by EPA in Part I	pared with the entry papers for this shipme I. Any deviations should be brought to the should be noted in "Remarks."	ent and no discrepancie attention of EPA before	es were noted. The shipment e releasing the shipment and
Remarks:			
Signature of District Director of Customs:			Date:

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	Part	: To Be Co	mpleted by Importer	of record or Licensed Customs	Broker	
1. Name and Complete	Address of	Licenced C	Lustoms Broker	2. Name and Complete Address	s of Importer of Record	
Expeditors International Attn: Brynn Wisz 849 Thomas Drive Bensenville, IL 60106 T:630-616-2318				Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-1330		
🕱 Return Form to this	Address			Return to this Address		
3. Name and Complete Address of Shipper				4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm UK Limited				70596-7	15440-GBR-001	
Wyke Lane Bradford, West Yorkshire,				6. Brand Name of Product		
United Kingdom			<u> </u>	Mecoprop-P Technical		
7. Active Ingredients ar	nd Percenta	ge of Each				
(+)-R-2-(2-methyl-4-ch	lorophenox	y) propioni	c acid 90.5%			
8. Unit Size	9. Quantit	у	10. Total Net Weight	11. Country of Origin		
25 Kg Bags	1,440 Bag	s	36,000 Kg	United Kingdom		
12. Port of Entry				13. Name and Complete Address of Carrier		
Chicago Illinois				OOCL (USA) Inc. Headquarters 2633 Camino Ramon, Suite 400 (P.O. Box 5100)		
14. Entry Number		15. Antici	pated Entry Date			
231-8093395-8		January 8,	, 2015	(F.O. Box 3100)   San Ramon, CA 94583   Dhone: (1) 925 358 OOCI (6625)		
17. Location of Goods	for Examina	ation after l	mportation	16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks		
Nufarm Americas, Inc. c/o Norbert Dentressangle Warehouse 21399 Torrence Ave. Sauk Village, IL 60411 P: 708-753-0396					CBI treatment—see instructions.)	
18. [Optional] For pesti processing of the Notic			Registration No., select	all that apply: (The following info	ormation may expedite the	
☐ 18a. A pesticide tra	nsferred be	tween regi	istered establishments	operated by the same producer.	Domestic Producer Establishment	
Number:					•	
18b. A pesticide tra	ansferred be	etween reg	istered establishments	not operated by the same produ	ucer. Domestic Producer Establish-	
ment Number:		E	PA Registration Number	er of Product being Formulated,	if applicable:	
18c. A pesticide distributed under an Experimental Use Permit.			erimental Use Permit.	Experimental Use Permit Number	er.	

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical		***			
Total Net Weight: 36,000 Kg	Entry Number: 231-8093395-8					
18d. A Pesticide distributed for research and deve	opment purposes without an Experimer	ntal Use Permit.				
18e. A pesticide transferred solely for export. Do	· · · · · · · · · · · · · · · · · · ·					
18f. A pesticide distributed under an emergency e						
18g. A pesticide transferred for the purposes of dis		•				
18h. Other. Provide an explanation including the i States in Block 19 Remarks.	ntended use and a description of why th	e product is bei	ng impo	rted into the United		
19. Remarks. Provide additional information here. It is the NOA.	recommended that a copy of the label	affixed to the pr	oduct be	e submitted with		
Container numbers: OOLU8573198 OOLU9320240 (MIXED LOAD WITH MCPB)	,					
	Certification					
I certify that the statements I made on this form an knowingly false or misleading statement r	d all attachments thereto are true, accura nay be punishable by fine or imprisonme	ate and complet ent or both unde	e. I ackn er applic	owledge that any able law.		
20. Printed Name of Importer of Record or Licensed Customs Broker Susan Wright		Telephone No.:	708-377	7-1363		
21. Signature of Importer of Record or Licensed Customs Broker:	71 A A 1 > 1/1/2/1/1/1					
	pleted by U.S. Environmental Protection	on Agency				
Action to be taken by U.S. Customs and Border Protec	tion:					
INZIMALASEA SHIRMANT   I DETSIN FOR INCHACTION	Release shipment to consignee under bonspection.	nd. Shipment m	iust be h	eld intact pending		
Other. (Specify)				-		
Remarks:						
Signature and Title of EPA Official:  Part III: To Be Con	Mut Unicompand Border P		Date: 1/2	131114		
The information shown in Part I was compared with was handled as instructed by EPA in Part II. Any devia	the entry papers for this shipment and r	no discrepancies	were no releasin	oted. The shipment g the shipment and		
Remarks:						
Signature of District Director of Customs:			Date:			

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# MECOPROP-P TECHNICAL

# FOR MANUFACTURING USE ONLY

### ACTIVE INGREDIENT: (+)R-2-(2-methyl-4-chlorophenoxy) propionio acid... OTHER INGREDIENTS:...... TOTAL 90.5% 100.0%

### EPAREG. NO. 70598-7

EPA EST. NO.15440-GBR-001

### KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

S) usted no entiende la etiquieta, busque a algulen para que se la explique a usted en detaile. (If you do not understand the label, find someone to explian it to you in detail).

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-8300 For Medical Emergencies Chly, Call (877) 325-4840

### PRECAUTIONARY STATEMENTS DANGER/PELIGRO HAZARDS TO HUMANS AND DOMESTIC ANNIALS

through the skin. Do not get in eyes, on skin or on dothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with scap and water after handling. Remove contaminated dothing and wash before re-use. Compsive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed

Call a poison control center or dodor for furnier rearment advice HOT LINE NUMBER	
If person is not breathing, call 911 or an arraylands, men give auticial respiration, preferably mouth-to-mouth, if possible.	FINHALED
<ul> <li>Move person to fresh air.</li> </ul>	
<ul> <li>Call a poison control center or doctor for treatment action</li> </ul>	CLOTHING
<ul> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> </ul>	29
<ul> <li>Take off contaminated dothing.</li> </ul>	IF ON SKIN
<ul> <li>Do not give anything by mouth to an unconscious person</li> </ul>	
center or doctor.	
<ul> <li>Do not induce varniting unless told to do so by a polson control</li> </ul>	SWALLOWED
<ul> <li>Have person sip a glass of water if able to swallow.</li> </ul>	Ħ
advice	
<ul> <li>Cat a poison control center or doctor immediately for treatment</li> </ul>	
<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>	
continue rinsing eye.	
<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then</li> </ul>	FINEYES
minutes.	
<ul> <li>Hold eye open and times slowly and gently with water for 15 to 20</li> </ul>	
HRSTAID	

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

### NOTE TO PHYSICIAN

For eye initiation, examination by an ophthalmologist may be indicated. If swallowed, probable mucosal damage may contraindicate the use of gastic lavage. Product contains a phenoxy harbicide chemical. There is no specific artitiote.

### **ENVIRONMENTAL HAZARDS**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Polibitant Discharge Elimination System (NPDES) permit and the permitting aithforty has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

This product is not compatible with strong oxidizers

## DIRECTIONS FOR USE

t is a violation of Federal Law to use this product in a manner inconsistent with its

Only for formulation into a herbicide for. 1) The following uses: nonfood terrestriat, including residential lawns, soci farms, ornamental tart, golf coursess, parks and playgrounds, cemetery, and rights of way; 2) Uses for which USEPA has accepted the required data or distincts of data, that the formulator has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA.

This product may be used to formulate products for any additional uses not listed on the MP label if the formulator, user group, or grower has compiled with U.S. EPA submission requirements regarding support of such uses.

application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0.75 b as MCPP-p/A. Only for formulation into end-products with directions for use that prohibit spot breatment applications greater than 1.2 Only for formulation into end-products with directions for use that prohibit aerial

trees, or ornamentals. Do not allow this chemical or distions of it to come into contact with sensitive crop plants

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

requires that a different container replace a damaged container. In such case, dearly label contents. Store in a secured warehouse, storage building or feroed storage yard, preferably in a location that is cool and dry. Do not store in dose proximity to seeds, fertilizers, inscriptions or fungicides. Containers should be opened in well vertilated areas. Keep container sealed when not in use. PESTICIDE STORAGE: Store only in original container unless an emergency

PESTICIDE DISPOSAL: Pestiolde wastes are acutely hazardous. Improper disposal of excess pestiolde, spray moture or rinsate is a violation of Federal Law and may contaminate gound water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonreffiable container. Do not reuse or rest its container. Completely empty bag into the formulation explanent. Then offer for recycling if contained an explanent and or by incheration, or, if always or other empty hag in a sanitary landfal or by incheration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The dreidors for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE PURNISHED "AS ISTBY MANUFACTURER OR SELLER AND (2) ARE PURNISHED "AS ISTBY MANUFACTURER OR SELLER AND (2) AND WITH AND SELLER MAKE NO WARRANTIES, GUARANTIES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR MIRLED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD, TO THE PRODUCT SOLD, NICLIDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR TRADE USAGE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. TO THE EXCELUSIVE REMEDY, AND MANUFACTURERS OR SELLERS TOTAL LABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty discialmens, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV030614)

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

4020 Aerial Center Parkway NUFARM AMERICASING Marrisville, NC 27560 Manufactured For SUM Division



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)



### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

Mecoprop-p Technical

EPA Reg. No.:

70596-7

**Product Type:** 

For Manufacturing Use Only - Herbicides

Company Name:

Nufarm Americas Inc. SJM Division

4020 Aerial Center Parkway Morrisville, NC 27560

1-800-345-3330

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

### 2. HAZARDS IDENTIFICATION

### PHYSICAL HAZARDS:

May form combustible dust concentrations in air during processing.

### **HEALTH HAZARDS:**

Serious eye damage/eye irritation	Category 1
Acute toxicity, inhalation	Category 3
Acute toxicity, oral	Category 4
Acute toxicity, dermal	Category 4
Specific target organ toxicity - Repeated exposure	Category 2

### **ENVIRONMENTAL HAZARDS:**

Hazardous to aquatic environment, acute

Category 3

### SIGNAL WORD:

DANGER

### **HAZARD STATEMENTS:**

Causes serious eye damage. Toxic if inhaled. Harmful if swallowed or in contact with skin. May cause damage to organs (liver, kidneys) through prolonged or repeated exposure Harmful to aquatic life.





### PRECAUTIONARY STATEMENTS

Causes serious eye damage. Wear chemical goggles or shielded safety glasses.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center or doctor for treatment advice.

Avoid breathing dust. Use only outdoors or in a well-ventilated area, If inhaled; remove person to fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Harmful if swallowed. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. If swallowed, call a poison control center or doctor if you feel unwell. Rinse mouth

To avoid contact with skin, wear long pants, long-sleeved shirt, shoes plus socks, and chemical-resistant gloves. If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes, Call a poison control center or doctor for treatment advice. Take off contaminated clothing and wash it before reuse.

### Mecoprop-p Technical

Do not breathe dust/fume/gas/mist/vapors/spray. Get medical advice/attention if you feel unwell.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**COMPONENTS** 

CAS NO.

**% BY WEIGHT** 

Mecoprop-p Acid Other Ingredients 16484-77-8

90.5 9.5

Synonyms:

MCPP-p; (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid

### 4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Note to Physician**: For eye irritation, examination by an ophthalmologist may be indicated. If swallowed, probable mucosal damage may contraindicate the use of gastric lavage. Product contains a phenoxy herbicide chemical. There is no specific antidote.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should wear NiOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

**Unusual Fire and Explosion Hazards:** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. **Hazardous Decomposition Materials (Under Fire Conditions):** May produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Methods for Containment:** Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Cleanup and Disposal:** Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

**Other Information:** Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

### 7. HANDLING AND STORAGE

### HANDLING:

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Do not get in eyes, on skin or on clothing. Avoid contact with skin. Avoid breathing dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### STORAGE:

Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, clearly label contents. Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in close proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

### Personal Protective Equipment:

**Eye/Face Protection:** To avoid contact with eyes, wear face shield or goggles. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

Respiratory Protection: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

### **Exposure Guidelines:**

	os	НА	AC	-	
Component	TWA	STEL	TWA	STEL	Unit
Mecoprop-p Acid	NE	NE	NE	NE	

NE = Not Established

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Beige solid

Odor: Weak phenolic odor Odor threshold: No data available

pH: 2-3

Melting point/freezing point: 199 - 208° F (93 - 98° C)

Initial boiling point and boiling range

Flash point:

Evaporation rate:

Flammability (solid, gas):

Not applicable

Not applicable

Not applicable

Not applicable

Upper/lower flammability or explosive limits: No data available

**Vapor pressure:** 1.4 x 10<sup>-3</sup> Pascals @ 25 °C **Vapor density:** No data available

Relative density: 784 g/L (tapped)

Solubility(ies): Soluble

Partition coefficient: n-octanol/water:

Autoignition temperature:

Decomposition temperature:

Viscosity:

No data available
No data available
No data available

**Note:** Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

### 10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Keep away from heat, sparks and open flame. Minimize dust generate and accumulation.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

Hazardous Reactions: Hazardous polymerization will not occur.

### 11. TOXICOLOGICAL INFORMATION

### Potential Health Effects:

Likely Routes of Exposure: Inhalation, eye and skin contact.

Eye Contact: May cause irritation and redness. Eyes may water profusely.

Skin Contact: No symptoms

**Ingestion:** Harmful if swallowed. May cause nausea, vomiting, abdominal pain, decreased blood pressure, muscle weakness, muscle spasms.

**Inhalation:** Low inhalation toxicity based on toxicity studies. May cause symptoms similar to those from ingestion. **Medical Conditions Aggravated by Exposure:** Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

### **Toxicological Data:**

Data from laboratory studies conducted on MCPP-p Acid Technical:

Oral: Rat LD<sub>50</sub>: 775 mg/kg Dermal: Rat LD<sub>50</sub>: >2,000 mg/kg Inhalation: Rat 4-hr LC<sub>50</sub>: >0.87 mg/l

Eye Irritation: Rabbit: Severely irritating/corrosive

Skin Irritation: Rabbit: Slightly irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

**Subchronic (Target Organ) Effects:** Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

Carcinogenicity / Chronic Health Effects: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a Class 2B carcinogen, the category for limited evidence for

### Mecoprop-p Technical

carcinogenicity in humans. However, more current Mecoprop-p lifetime feeding study in mice, did not show carcinogenic potential.

Reproductive Toxicity: No impairment of reproductive function attributable to Mecoprop-p have been noted in laboratory animal studies.

**Developmental Toxicity:** Studies in laboratory animals with Mecoprop-p have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

**Germ Cell Mutagenicity:** There have been some positive and some negative studies, but the weight of evidence is that MCPP-p is not mutagenic.

Assessment Carcinogenicity:

This product contains substances that are considered to be probable or suspected human carcinogens as follows:

	Reg	Regulatory Agency Listing As Carcinogen				
Component	ACGIH	IARC	NTP	OSHA		
Chlorophenoxy Herbicides	No	2B	No	No		

### 12. ECOLOGICAL INFORMATION

### Environmental Hazards:

Mecoprop-p is slightly to practically non-toxic to fish and aquatic invertebrates and moderately toxic to birds.

### **Ecotoxicity:**

Data on Mecoprop-p Acid:

96-hour LC<sub>50</sub> Bluegill: >93 mg/l Bobwhite Quail Oral LD<sub>50</sub>: 500 mg/kg 96-hour LC<sub>50</sub> Rainbow Trout: >93 mg/l Mallard Duck Oral LD<sub>50</sub>: 486 mg/kg 48-hour LC<sub>50</sub> Daphnia: >91 mg/l 48-hour Honey Bee Contact LD<sub>50</sub>: >200  $\mu$ g/bee

### **Environmental Fate:**

Mecoprop-p acid is relatively immobile in most soils and has a half-life of several days in surface soils. The primary routes of dissipation appear to be photodegradation in water, microbial-mediated degradation, and leaching. Aqueous photolysis half-lives range from 4 to 7 days. In soil, mecoprop-p is microbially degraded with a typical half-life of approximately 11 to 15 days.

### 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### 14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

### DOT:

Non Regulated

### IMDG:

Non Regulated

### IATA:

Non Regulated

### 15. REGULATORY INFORMATION

### **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### **U.S. FEDERAL REGULATIONS**

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

### SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

Immediate and Delayed

### Section 313 Toxic Chemical(s):

Mecoprop (CAS No. 93-5-2) - equivalent to 90.5% by weight in product

### Reportable Quantity (RQ) under U.S. CERCLA:

None

### **RCRA Waste Code:**

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

### State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed.

### 16. OTHER INFORMATION

### National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 3 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

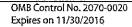
Date of Issue:

October 1, 2014

Supersedes:

April 12, 2013

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### **United States**

### **ENVIRONMENTAL PROTECTION AGENCY**

### Washington, DC 20460

### **Notice of Arrival of Pesticides and Devices**

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

	Part 1	l : To Be Co	mpleted by Importer	of record or Licensed Customs	Broker '	
1. Name and Complete	Address of	Licenced (	Customs Broker	2. Name and Complete Address of Importer of Record		
Expeditors International 849 Thomas Drive Bensenville, IL 60106	1 Attn: Bryi T:630-616			Nufarm Americas Inc. 11901 South Austin Avenue Alsip, IL 60803 T: 708-377-1330		
Return Form to this	Address			Return to this Address		
3. Name and Complete Address of Shipper				4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm UK Limited		70596-7	15440-GBR-001			
Wyke Lane Bradford, West Yorkshire,				6. Brand Name of Product		
United Kingdom				Mecoprop-P Technical		
7. Active Ingredients ar	nd Percenta	age of Each	``	-		
(+)-R-2-(2-methyl-4-ch	lorophenox	.y) propioni	ic acid 90.5%			
8. Unit Size	9. Quantit	ÿ	10. Total Net Weight	11. Country of Origin		
25 Kg Bags	1440		36,000 Kg	United Kingdom		
12, Port of Entry		····		13. Name and Complete Address of Carrier		
Chicago Illinois			1	OOCL (USA) Inc. Headquarters 2633 Camino Ramon, Suite 400		
14. Entry Number		15. Antici	ipated Entry Date			
231-0235820-2		May 31, 2	2015	(P.O. Box 5100) San Ramon, CA 94583 Phone: (1) 925 358 OOCI (6625)		
17. Location of Goods	for Examin	ation after	Importation	16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks		
Nufarm Americas, Inc. c/o Norbert Dentressangle Warehouse 21399 Torrence Ave. Sauk Village, IL 60411 P: 708-753-0396		4, 5, 6 and 7 are not entitled to	o CBI treatment—see instructions.)			
18. [Optional] For pesti processing of the Notic			Registration No., select	all that apply: (The following info	ormation may expedite the	
· ·	insferred be	etween reg	jistered establishments o	operated by the same producer.	Domestic Producer Establishment	
Number:			vietovod ostablish pospes	not operated by the same produ	very Domostic Braducar Establish	
<u>'</u>	ansterrea be	_		not operated by the same produ er of Product being Formulated,	icer. Domestic Producer Establish-	
ment Number:			_		•	
I sc. v besticiae dia	stributea ur	nder an Exp	berimentai Use Permit.	Experimental Use Permit Number	=1	

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical		
Total Net Weight: 36,000 Kg	Entry Number: 231-0235820-2		
18d. A Pesticide distributed for research and deve			
18e. A pesticide transferred solely for export. Do			· · · · · · · · · · · · · · · · · · ·
18f. A pesticide distributed under an emergency e	xemption. Emergency Exemption Num	ber:	<del></del> -
18g. A pesticide transferred for the purposes of di	sposal.		
18h. Other. Provide an explanation including the States in Block 19 — Remarks.	intended use and a description of why th	ne product is beir	g imported into the United
19. Remarks. Provide additional information here. It it he NOA.	s recommended that a copy of the label	affixed to the pro	oduct be submitted with
Container numbers: OOLU8898296 TGHU9826080			·
	<u> </u>		·····
	Certification		
l certify that the statements I made on this form ar knowingly false or misleading statement			
20. Printed Name of Importer of Record or Licensed Customs Broker.		Telephone No.:	708-377-1365
21. Signature of Importer of Record or Licensed Customs Broker:	uedaso		Date: May 15, 2015
Part II: To Be Com	pleted by U.S. Environmental Protect	ion Agency	
Action to be taken by U.S. Customs and Border Prote	ction:		
Release Shipment Detain for inspection	Release shipment to consignee under b inspection.	ond. Shipment m	ust be held intact pending
Other. (Specify)			
Remarks:			
Signature and Title of EPA Official:	fruit of from		Date: 5/18/15
T	inpleted by U.S. Customs and Border		- F
The information shown in Part I was compared wit was handled as instructed by EPA in Part II. Any dev	h the entry papers for this shipment and viations should be brought to the attenti should be noted in "Remarks."	no discrepancie: ion of EPA before	s were noted. The shipment releasing the shipment and
Remarks:	•	. announced	
Signature of District Director of Customs:			Date:

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.





### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

Mecoprop-p Technical

EPA Rea. No.:

70596-7

**Product Type:** 

For Manufacturing Use Only - Herbicides

Company Name:

Nufarm Americas Inc. SJM Division

4020 Aerial Center Parkway Morrisville, NC 27560

1-800-345-3330

Telephone Numbers: For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night: 1-800-424-9300 For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

### 2. HAZARDS IDENTIFICATION

### PHYSICAL HAZARDS:

None known.

### **HEALTH HAZARDS:**

Serious eye damage/eye irritation

Category 1

Acute toxicity, oral

Category 4

### **ENVIRONMENTAL HAZARDS:**

Hazardous to aquatic environment, acute

Category 3

### SIGNAL WORD:

DANGER

### HAZARD STATEMENTS:

Causes serious eye damage. Harmful if swallowed. Harmful to aquatic life. May form combustible dust concentrations in air during processing.





### PRECAUTIONARY STATEMENTS

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves. Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Dispose of contents in accordance with local, state, and federal regulations

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# MECOPROP-P TECHNICAL

# FOR MANUFACTURING USE ONLY

### 

# KEEP OUT OF REACH OF CHILDREN

DANGER / PELIGRO
Si usted no entisende la etiqueta, busquo a adjulen para que se la explique a usted en delallo, (lifyou do not uncleistand the label, find someone to explain it to you in detail.)

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300 For Medical Emergencies Orly, Call (877) 325-1840

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER / PELIGRO

Conosive. Causes irreversible eye darriage. Hamriti if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear gogbles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated dothing and wash before re-use.

FIRST AD  Hold eye open and rince slowly and gently with water for 15 to 20 minutes.  PREMOVE contrat lenses, if present after the first 5 minutes, ther contrate inising eye.  Call a poison control center or doctor for beatment advice.  Call a poison control center or doctor immediately for treatment advice.  Call a poison control center or doctor immediately for treatment advice.  Provide person sip a glass of water if able to swallow.  Do not induce working unless tod to do so by a poison control center or doctor.  Provide of conteminated dothing.  Do not give anything by mouth to an unconscious person.  Provide of conteminated dothing.  Take off conteminated dothing.  Riving skin immediately with plently of water for 15 to 20 minutes.  CLOTHING  Nove person to fresh air.  If preson is not breathing, call 911 or an ambulance, then give
* * * * * * * *
* * * * * *
Hold eye open and finse so minutes.
FIRST AID  • Hold eye open and rinse sic
FIRSTAID

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

### NOTE TO PHYSICIAN

For eye initiation, examination by an ophthalinologist may be indicated. If swallowed, probable mucosal damage may contraindicate the use of gastric lavage. Product contains a phenoxy herbicide chemical. There is no specific antidote:

## ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into takes, streams, pronds, estudites, oceans, or public waters unless in accordance with requirements of a National Poliutant Discharge Elimination System, (NPDES) permit and the permitting authority has been notified in whiting prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## PHYSICAL OR CHEMICAL HAZARDS

This product is not compatible with strong oxidizers.

## DIRECTIONS FOR USE

It is a violation of Federal Lawto use this product in a marmer inconsistent with its labeling.

Only for formulation into a herbicide for. 1) The following uses: nonflood terrestrial, including residential lawns, sood farms, ornamental furf, golf courses, parties and playgrounds, cennetery, and rights of way, 2) Uses for which USEPA has accepted the required data or distions of data that the formulator: has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA requirements.

This product may be used to formulate products for any additional uses not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such uses.

Only for formulation into end-products with directions for use that prohibit aerial application. Only for formulation into end-products with directions for use that prohibit broadcast applications greater than 0.75 to as MCPP-p/A. Only for formulation into end-products with directions for use that prohibit spot treatment applications greater than 1.2 lits as MCPP-p/A.

Do not allow this chemical or dilutions of to come into contact with sensitive crop plants trees, or omamentals.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal

PESTICIDE STORACE: Store only in original container unless an emergency requires that a different container replace a damaged container, in such case, dearly label contents, Store in a secured warehouse, storage building or fenned storage yard, preferably in a location that is odd and day, Do not store in dose proximity to seets, feritizers, insectiodes or fungicides. Containers should be opened in well vertilated areas. Keep container sealed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardbus. Improper disposal of excess pesticide, spray moture or rinstate is a violation of Federal Law and may contaminate ground water; if these wastes cannot be disposed of by use accordingly be label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonretliable container. Do not reuse or refil this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a santiary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

The disedons for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABILE LAW, (1) THE GOODS DELIVERED TO YOU ARE PURNISHED "AS IS"BY MANUFACTURER OR SELLER AND (2) AMAULFACTURER AND SELLER MAKE NO WARRANTIES, GLARANTIES, OR REPRESENTATIONS OF ANYKIND TO BUYER OR USER, ETHER EXPRESS OR MIPLIED, OR BY USAGE OF TRADE, STATUTIORY OR OTHERWISE, WITH RECARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY, OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYERTS OR USER'S EXCLUSIVE REMISEDY, AND MANUFACTURERS OR SELLERS TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV030614) 12006000

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Manufactured For NUFARM AMERICAS INC SJM Division 4020 Aerial Center Parkway Morrisville, NC 27560



B003A USA G750A NUF EPA 70596-7 25KG (RV030614)

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### 7. HANDLING AND STORAGE

### HANDLING:

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Do not get in eyes, on skin or on clothing. Avoid breathing dust. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### STORAGE:

Store only in original container unless an emergency requires that a different container replace a damaged container. In such case, clearly label contents. Store in a secured warehouse, storage building or fenced storage yard, preferably in a location that is cool and dry. Do not store in close proximity to seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

### **Personal Protective Equipment:**

**Eye/Face Protection:** To avoid contact with eyes, wear chemical goggles. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. Washing facilities should be readily accessible to the work area.

**Respiratory Protection:** Not normally required. If dust exceeds acceptable levels, wear NIOSH approved airpurifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

### **Exposure Guidelines:**

	os	HA	ACGIH		
Component	TWA	STEL	TWA	STEL	Unit
Mecoprop-p Acid	NE	NE	NE	NE	
4-Chlor-2-methylphenol (PCOC)	NE	NE	NE	NE	
Proprietary process impurities	N/A	N/A	N/A	N/A	

NE = Not Established N/A= Not Applicable

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Beige solid

Odor:

Weak phenolic odor No data available

Odor threshold:

กว

Melting point/freezing point:

178 - 198° F (81.5 - 92° C)

Initial boiling point and boiling range

Not applicable

Flash point: Evaporation rate: Not applicable Not applicable

February 14, 2015

Page 3 of 6

### Mecoprop-p Technical

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapor pressure:

Vapor density: Relative density:

Solubility(ies):

Partition coefficient: n-octanol/water:

Autoignition temperature: Decomposition temperature:

Viscosity:

No data available

No data available

1.4 x 10<sup>-5</sup> torr @ 20 °C

No data available

1.281 g/mL (tapped) 0.6 g/mL, dry uncompacted

Soluble (620 - 859 mg/L)

No data available

No data available

92° C

No data available

Note: Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

### 10. STABILITY AND REACTIVITY

Reactivity: This product is not normally reactive.

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Keep away from heat, sparks and open flame. Minimize dust generate and accumulation.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce gases such as hydrogen chloride and oxides of carbon and nitrogen. In combustion, emits toxic fumes.

### 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye and Skin contact.

Symptoms of Exposure: May cause severe irritation and possible eye damage. Eyes may water profusely. May cause mild skin irritation.

Delayed, immediate and chronic effects of exposure: May cause severe irritation and possible eye damage.

Eyes may water profusely. May cause mild skin irritation.

### Toxicological Data:

Data from laboratory studies conducted on MCPP-p Acid Technical:

Oral: Rat LD<sub>50</sub>: 775 mg/kg

Dermal: Rat LD<sub>50</sub>: >2,000 mg/kg Inhalation: Rat 4-hr LC<sub>50</sub>: >5.6 mg/l

Eye Irritation: Rabbit: Severely irritating/corrosive

Skin Irritation: Rabbit: Slightly irritating

Skin Sensitization: Not a contact sensitizer in quinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to phenoxy herbicides may cause effects to liver, kidneys, blood chemistry, and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

Carcinogenicity / Chronic Health Effects: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a Class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, more current Mecoprop-p lifetime feeding study in mice, did not show carcinogenic potential.

Reproductive Toxicity: No impairment of reproductive function attributable to Mecoprop-p have been noted in laboratory animal studies.

Developmental Toxicity: Studies in laboratory animals with Mecoprop-p have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals.

Germ Cell Mutagenicity: MCPP-p is not mutagenic.

This product contains substances that are considered to be probable or suspected human carcínogens as follows:

	Regulatory Agency Listing As Carcinogen			
Component	ACGIH	IARC	NTP	OSHA
Chlorophenoxy Herbicides	No	2B	No	No
4-Chlor-2-methylphenol (PCOC)	No	No	No	No

### Mecoprop-p Technical

Proprietary process related impurities	No	No	No	No
IADO Croup OD, Donoibly parainagenia to burn				

IARC Group 2B: Possibly carcinogenic to humans.

### 12. ECOLOGICAL INFORMATION

### **Environmental Hazards:**

Mecoprop-p is slightly to practically non-toxic to fish and aquatic invertebrates and moderately toxic to birds.

### **Ecotoxicity:**

Data on Mecoprop-p Acid:

96-hour LC $_{50}$  Bluegill: >93 mg/l Bobwhite Quail Oral LD $_{50}$ : 500 mg/kg 96-hour LC $_{50}$  Rainbow Trout: >93 mg/l Mallard Duck Oral LD $_{50}$ : 486 mg/kg 48-hour LC $_{50}$  Daphnia: >91 mg/l 48-hour Honey Bee Contact LD $_{50}$ : >200  $\mu$ g/bee

72-hour LC<sub>50</sub> Algae: 16.2 mg/L

### **Environmental Fate:**

Mecoprop-p acid is relatively immobile in most soils and has a half-life of several days in surface soils. The primary routes of dissipation appear to be photodegradation in water, microbial-mediated degradation, and leaching. Aqueous photolysis half-lives range from 4 to 7 days. In soil, mecoprop-p is microbially degraded with a typical half-life of approximately 11 to 15 days. Mecoprop-p acid is readily biodegradable in screening studies (81% in 10 days).

### 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method: .

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Container Handling and Disposal:

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into the formulation equipment. Then offer for recycling if available or dispose of the empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### 14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

DOT:

Non Regulated

IMDG:

Non Regulated

ΙΔΤΔ:

Non Regulated

### 15. REGULATORY INFORMATION

### **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### **U.S. FEDERAL REGULATIONS**

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

Mecoprop-p Technical

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

Immediate

Section 313 Toxic Chemical(s):

Mecoprop (93-65-2), 90.5% equivalent by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None given

**RCRA Waste Code:** 

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not Listed.

### 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 3 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

Date of Issue:

February 14, 2015

Supersedes:

October 1, 2014



### **United States**

OMB Control No. 2070-0020 Expires on 11/30/2016

### **ENVIRONMENTAL PROTECTION AGENCY**

### Washington, DC 20460

### Notice of Arrival of Pesticides and Devices

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

	Part 1	: To Be Co	mpleted by Importer	of record or Licensed Customs	Broker	
1. Name and Complete	Address of	Licenced C	ustoms Broker	2. Name and Complete Address	s of Importer of Record	
41425 Joy Road				Robinson Investments Ltd. 333 Maple Street Marysville, OH 43040		
Return Form to this Address				Return to this Address		
3. Name and Complete Address of Shipper				4. EPA Registration Number	5. EPA Producer Establishment No.	
Nufarm Limited				70596-7	15440-GBR-001	
Wyke Lane				6. Brand Name of Product		
Wyke Bradford West Yorkshire England	d BD129E	J .		Mecoprop-P Technical	THE PERSON NAMED IN COLUMN NAM	
7. Active Ingredients ar	nd Percenta	ge of Each	Place and the second se			
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8. Unit Síze	9. Quantit	у	10. Total Net Weight	11. Country of Origin		
55 lb bags	2280 bags		125400 lbs	England	-	
12. Port of Entry		4		13. Name and Complete Addre	ess of Carrier	
3801 Detroit				OOCL (USA) Inc.		
14. Entry Number 15. Anticipated Entry Date		801 Warrenville Road Suite 300				
037-0297552-9 July 27, 2015		Lisle, IL 60532				
17. Location of Goods	for Examina	ation after	Importation	Information is shown in the ab	onstituting Confidential Business toove blocks numbered: (Note: Blocks	
Robinson Investments 333 Maple Street Marysville, OH 43040				4, 5, 6 and 7 are not entitled to	o CBI treatment—see instructions.)	
18. [Optional] For pesti processing of the Notic			Registration No., select	all that apply: (The following info	ormation may expedite the	
18a. A pesticide tra	nsferred be	tween reg	istered establishments	operated by the same producer.	Domestic Producer Establishment	
Number:						
18b. A pesticide tra	insferred be	etween reg	istered establishments	not operated by the same produ	cer. Domestic Producer Establish-	
ment Number:		E	EPA Registration Numb	er of Product being Formulated,	if applicable:	
18c. A pesticide dis	stributed ur	ider an Exp	erimental Use Permit.	Experimental Use Permit Number	er:	

EPA Registration Number: 70596-7	Product Name: Mecoprop-P Technical	<u> </u>	2
Total Net Weight: 125400 lbs	Entry Number: 037-0297552-9		
18d. A Pesticide distributed for research and devel	opment purposes without an Experime	ntal Use Permit.	
18e. A pesticide transferred solely for export. Dor			**************************************
18f. A pesticide distributed under an emergency e			
18g. A pesticide transferred for the purposes of dis	•	-	
18h. Other. Provide an explanation including the in States in Block 19 – Remarks.		e product is be	ing imported into the United
19. Remarks. Provide additional information here. It is the NOA.	recommended that a copy of the label	affixed to the p	roduct be submitted with
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Year of Manufacture - 2015	•		
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	Certification		
I certify that the statements I made on this form and knowingly false or misleading statement m	d all attachments thereto are true, accura		
20. Printed Name of Importer of Record or Licensed Customs Broker Scarbrough Inter	national Ltd. / Dana Faville	Telephone No.:	816-584-2442
21. Signature of Importer of Record or Licensed Customs Broker.	2 Gaville		Date: July 16, 2015
Part II: To Be Comp	leted by U.S. Environmental Protection	on Agency	
Action to be taken by U.S. Customs and Border Protect	tion:		
INCLEREIEASE Shimment   Literain for inspection   Literain for inspec	elease shipment to consignee under bo rspection.	nd. Shipment n	nust be held intact pending
Other. (Specify)	•		
Remarks:			
Signature and Title of EPA Official:	Moment office	$\gamma$	Date: 7 17 15
<b>,</b>	pleted by U.S. Customs and Border Pi		
The information shown in Part I was compared with was handled as instructed by EPA in Part II. Any devia	the entry papers for this shipment and n tions should be brought to the attention should be noted in "Remarks."	no discrepancie: n of EPA before	s were noted. The shipment and releasing the shipment and
Remarks:			,
,			
Signature of District			Date:
Director of Customs:			_

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

# MECOPROP-P TECHNICAL

# FOR MANUFACTURING USE ONLY

EPAREG. NO. 70596-7

EPA EST. NO.15440-CBR-001

## DANGER / PELIGRO

Si ustéd no entiènde la etiquéta; busque a algulen para que se la expliqué a usted en detalle, (fiyou do not uncerstand the label, find someone to explain it to you in detail.)

SEE BELOW FOR FIRST AID AND ADDITIONAL PRECAUTIONARY
STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-8300 For Wedical Emergencies Only, Call (877) 325-1840

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANMALS DANGER / PELIGRO

Corrosive: Causes irreversible eye: darmage. Harmful if swallowed, inhaled, or absorbed through the skin. Do not get in eyes, on skin or on dothing. Avoid breathing dust. Wear goggles, face shield or safety glasses. Wash thoroughly with scap and water after handling. Remove contaminated dothing and wash before re-use.

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	l	
		Hold eye open and rinse slowly and gently with water for 15 to 20
		minutes
FINEYES	•	Remove contact lenses, if present, after the first 5 minutes, then
		continue finsing eye:
		Call a poison control center or doctor for treatment advice.
	•	Call a poison control center or doctor immediately for treatment
		advice.
Tī		Have person sp a glass of water if able to swallow.
SWALLOWED	é	Do not induce vomiting unless told to do so by a poison control
		center or doctor:
		Do not give anything by mouth to an unconscious person.
NING NO	•	Take of contaminated dothing.
æ	•	Rinse skin immediately with plenty of water for 15 to 20 minutes.
CLOTHING	è	.Call a poison control center or doctor for treatment advice.
	-	Move person to fresh air:
		If person is not breathing, call 911 or an ambulance, then give
IT HATALAN		artificial respiration, preferably mouth-to-mouth, if possible.
	•	Call a polson control center or doctor for further treatment advice:

Have the product container or label with you when calling a poison control certier or doctor or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

HOT LINE NUMBER

### NOTE TO PHYSICIAN

For eye initation, examination by an optithalmologist may be indicated. If swallowed, probable mucosal damage, may contraindicate the use of gastric lavage. Product contains a phenoxy herbique chemical. There is no specific antidore.

### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, or public waters unless in accordance with the requirements of a National oceans, or public waters unless in accordance with the requirements of a National Poliulant Discharge Elimination System, (NIDER), plants and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent ocitatining this has been notified in writing prior to discharge, Do not discharge effluent ocitatining this product to sewer systems writing through notifying the local sewage bearinent plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

This product is not compatible with strong oxidizers.

## DIRECTIONS FOR USE

It is a violation of Federal Lawto use this product in a manner inconsistent with its when we

Only for formulation into a herbicide for. () The following uses: nonfood terrestrial, including residential lawns, soci farms, ornamental lunf, golf, coursels, parks and playogrounds, cervetery, and rights of way, (2) Uses for which USEPA has accepted the required data or citations of data that the formulator has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA, requirements.

This product may be used to formulate products for any additional uses not listed on the MP tabel if the formulator, user group, or grower, has compiled with U.S. EPA submission requirements regarding support of such uses.

Only for formulation into end-products with directions for use, that prohibit aerial application. Only for formulation into end-products with directions for use that prohibit toracticate applications greater than 0.75 ib are MCPP-p/A. Only for formulation into end-products with offendions for use that prohibit spot treatment applications greater than 1.2 ibs are MCPP-p/A.

Do not allow this chemical or dilutions of it to come into contact with sensitive orap plants, पहल्क, or ornamentals:

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Some only in original container unless: an emergency requires that a different container replace a damaged container; in such case, dearly label conteins; Store in a secured watchouse, storage building or femced storage yard, preferably in a location that is cool and only. Do not worker in dose proximity to sects, fertilizers, insecticates or fungicates. Containers should be opened in well vertilated areas. Keep container sealed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper. disposal of evcess pesticide, spray modure, or rinsute is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of they use accordingly abid instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Wlaste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nontefliable container: Do not reuse or refit this container. Completely, empty bag into the formulation equipment. Then, offer for necycling if evaluable or dispose of the empty bag in a sanitary landfit or by indirection, or, if sallowed by state and local authorities, by burning, if burned-saty out of smoke:

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(R./03/0514)

MADE IN THE UNITED KINGDOM

NET WEIGHT: 55 LBS (25 KG)

Manufactured For NÜFARM AMIERICAS'INC SUM DIVISION 4020 Aerial Center Parkway Morrisville, NC 27560



B003A USA G750A.NUF EPA.70596-7 25KG (RV030614)